

NUMBERS & ODDITIES
the Spooks Newsletter
edition #100, October 2005

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Welcome to "Numbers & Oddities #100". When I started this column back in 1995, I never expected that so many people would be interested in the stations that appear in N&O. There are two different versions of N&O; the N&O column in the WUN newsletter and an extended version, a.k.a. "the Spooks Newsletter". The latter includes also info that is off topic for WUN. And it includes a numbers logs section which includes the logs that are sent directly to me plus the numbers logs that are sent to the WUN and Spooks mailing lists. You can download the WUN newsletter from our website at <http://www.wunclub.nl>. The newsletter version can be found on the N&O website together with other related info, databases and sound samples. <http://home.luna.nl/~ary>

Although the amount of numbers stations has decreased since the end of the Cold War, there is still a lot to hear. Not only numbers stations but also so called "oddities", weird sounding utility stations like the Squeaky Wheel channel marker and the Japanese naval FSK signal that is nicknamed "the Slot Machine" because it sounds like one :-)

"Are numbers stations really spy stations?" This question is often asked. Absolutely! At least, a number of them are spy stations. Others are most definitely not. We know that "P" is the channel marker of the Russian naval station operating from Kaliningrad. The station sends either a marker or weather reports, navigational messages or coded messages. XSL, the Slot Machine, is actually a FSK system operated by the Japanese navy. XWP are ocean surface radars. S28 (Buzzer), S30 (Pip) and S32 (Squeaky Wheel), M21 (Russian Air Defense), M22 (Israeli navy) to name just a few are all military stations. X06 (Mazielka) is the selcal system of the Russian diplo network. A Mazielka call is usually followed by a digital signal (M42) sending a message. You can safely assume that these messages contain more than diplo info. Military and intelligence info is most likely also transmitted by these stations. It is suggested that smugglers, drug traffickers and terrorist networks are also sending coded messages. Many people say that the Israeli "E10" stations are Mossad stations. I still think that this is a military operation. I guess we will have to wait for an incident before we learn the truth. Sometimes we are lucky,

like a couple of years ago when a number of Cuban spies were convicted. They listened to the Cuban numbers transmissions (V02 and M08) which confirmed what we already knew: DGI was behind these transmissions.

My first encounter with numbers stations was in 1980, when I started my shortwave hobby. "OLX" from Czechoslovakia was one of the first numbers stations that I heard and so far the only numbers station that has ever sent me a QSL card. The German 2-letter stations and of course DFC37 and DFD21 were other daily guests. I was fascinated by these stations and that is still the case after 25 years.

Two books of special interest to me were "Uno, Dos, Quatro" by Havana Moon (1987); and "Secret Signals, the Euronumbers Mystery" by Simon Mason (1991), I think that these books were the first two that covered the numbers stations in depth.

I always enjoyed the stories and work of the late Havana Moon (William Thomas Godbey). He was very dedicated to the hobby and edited a numbers column in the ACE bulletin. He also distributed frequency lists as you can read in the following snippet from the ACE bulletin of December 1989.

"Well, folks - the intercept database is ready for distribution. It'll be available in two formats - one print-out by time, and another by frequency. And for you Commodore users out there, a diskette-version will be made available at a later time, if demand warrants."

Hmm, the Commodore 64. Nice. That was my first computer. I had a morse and rtty decoder attached to it and it really worked :-)

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I asked for your numbers related stories and other input for this anniversary edition. I am always interested to know how you got hooked to this hobby and what fascinates you. Only two people reacted; Fritz and Jochen. Here is what they sent. Thanks gents!!!

Hello Ary,

Here are some loggings for N&O Newsletter 100 as well as my best

Congratulations!

Many people's contributions made it possible. However we all know, first of all, it is thanks to YOU, we have come so far. The Newsletters are far more than "News" - leafing through them tells the story of listening to numbers and oddities with all its facets - an exciting story!

Thanks for all the effort you're putting into N&O and all the very best wishes for you personally and for N&O.

Best regards,

Fritz Nusser

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Hello dear friends and fans of the world-wide numbers station community,

My name is Jochen Schupfer (jochen.schupfer@gmx.de), I come from Marburg in West Germany, I am 33 years old and fan of numbers stations since 1977. I was 5 years old! Perhaps one reason might be, that I'm blind since birth, so my ability to hear things is better trained than to see things:-):-). Since March 2004 I am officially the "Kopf" (head) of the newly created "German Branch" of ENIGMA2000 (E2K).

In December 2002, the German magazine "Der Spiegel" published a very interesting article about numbers stations. I was also interviewed for this article (see N&O #56). After this article was published, many reporters and journalists of German radio and TV stations came to me in Marburg for interviews. I have 7 cases full of cassettes with recordings of numbers stations in my living room. Over 1000 so far! They represent a piece of history of shortwave radio.

I collect(ed) special numbers stations, such as: G16/E16, G15, G14 - BND (only the IDs), S05/051/05b - OLX (also only the IDs), G02 - "Swedish Rhapsody" (ID and the first 3 number groups), E10, XP/XPB (the msgs) and not to forget X06. Especially the BND stations G16/E16, G15 and G14 are my absolute favorites, together with the OLX IDs. Unfortunately, these stations are NOT active any more, and that's the reason why I am searching for old - very old - recordings of these stations, that are missing in my collection. I began recording in 1980/81. I didn't have a world receiver in that time, so I had only a limited bandwidth where I could search for numbers stations. But nevertheless, I can recall the historical development of these stations. Evolving from real voices to the synthesized ones, until they ceased operations in 1999 (OLX is already inactive since 1997). All these stations have different callsigns, but use the same principal. That's very fascinating. The most fascinating stations today X06, because they come and go whenever they want to, so to speak. They don't have any schedules or fixed freqs. In this context, I want to ask you if you could do me a pleasure. If you find an X06 station, please call me, so that I can record it. My phone number: 0049-6421/162102. If I am not at home, please email me the sound file at: Jochen.Schupfer@gmx.de.

Since I work as "Kopf" of the German Branch, many things happened. For example, I volunteered to edit N&O in October 2003 and 2004 (#66+78).

At the begin of N&O #78 I told you, that it's funny, that I found my first BND station in 1978, and in October last year I edited #78 of N&O:-).

Also interesting to know..... "Deutschlandfunk" in Cologne interviewed Ary and me for the feature "Achtung, f,nnef zwo null null Trennung - secret services on air", which was transmitted on September 16th, 2003. In September this year, a man from Cologne, who is living near the producer of this feature, emailed me, that he is the owner of an original speech-Morse generating machine from the German Democratic Republic. It was built in 1985 and the voice of the speech version is the one we know from the now inactive station G08 "Four Note Rising Scale" (last version). It is now used for G06 "German Lady". It was fascinating to hear this via the telephone. One of the first things I did was to call Mr. Akin Fernandez, the editor of "Conet Project" CDs. He is now in contact with this man to interview him, because Akin is also very fascinated. Next time I will tell you more about it, if it is of interest.

If you have any BND station recordings, which are NOT published on any website so far, please let me know. I collect them with passion! And also if an X06 is on air, please let me also know directly if you hear it, so that I can record it for my collection.

With the best regards and wishes - not only for N&O, but for the whole numbers community

Vy 73 and always best numbers DX from

Jochen Sch%fer, "Kopf" of Germany's numbers stations branch

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★ CRYPTO QUIZ ★

Can you decode the 5-letter groups below? I encrypted it with a 3-rotor ENIGMA simulator. Rotor settings: Rotor 1: A, rotor 2: R, rotor 3: Y. I had two plugs connected; A1=B and B2=A.

The first reader who sends me the correct translation will get a copy of the third WUN CD and the second one will get a copy of the book "Statewatching the new Europe". This is the sentence that has to be decoded:

ZYNWQ YFJEL UEQZV QQYKY WIXFV MBDWO YIEKQ IBTGT UMSCS NOADP

I used the EnigmaSim v4.2.0 simulator from Dirk Rijmenants' website <http://users.telenet.be/d.rijmenants/EnigmaSim.zip>

Good luck!

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What is inside? Besides the introductions and crypto quiz above you'll find the usual sections; voice stations; morse stations; various modes; military stations (this time with an item about the Russian Black Sea Fleet); logs section; an intelligence profile, this time featuring Brazil; and also some intelligence news. I received an impressive list of schedules from AlphaVax and MysticOne (E10), Tomonori Izumi (Cherry Ripe) and Mark Slaten (V02). Excellent job, gents.

N&O #100 would not be possible without the input of the following contributors: Igor, Jochen, Ben, Leif, Sferix, Alex, Ron, Sam, Eddie, Fritz, Hans-Friedrich, Ron, Al, Maciej, Mike, Tomonori, Alan (good to hear from you again!), Jim, Mark, Ivan, Klaus, Shaun, Trond, "Racal", Day, AlphaVax, MysticOne, Aquila, Bob, Dave, Geoff, Peter and Larsen. Thanks a million gentlemen!

Enough said. Let's move on to the numbers stuff.....

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* VOICE STATIONS *

::: E03 LINCOLNSHIRE POACHER

Because of Al's vacation, we have only the idents of the first half of the month. I hope that you had a good vacation, Al.

UTC	Mon	Tue	Wed	Thu	Fri	Sat	Sun	UTC
1200	45538	45538	45538	45538	45538	45538	45538	1200
1300	11364	11364	11364	11364	11364	11364	11364	1300
1400	90008	07213	45872	04226	45538	62594	47788	1400
1500	47788	90008	07213	45872	04226	45538	49794	1500
1600	49794	47788	90008	07213	45872	04226	62594	1600
1700	62594	49794	47788	90008	07213	45872	45538	1700
1800	45538	62594	49794	47788	90008	07213	04226	1800
1900	04226	11364	62594	11364	47788	90008	11364	1900
2000	11364	45538	11364	49794	11364	47788	45872	2000
2100	45872	04226	45538	62594	49794	11364	07213	2100
2200	07213	45872	04226	45538	62594	49794	90008	2200

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::: E03a (E04) CHERRY RIPE

An excellent Cherry Ripe report was supplied by Tomonori. This time

the idents per week instead of per two weeks. Further the current skeds and the station's new format.

New format:

Cherry Ripe tune x 12
 ID x 4
 Cherry Ripe tune x 12
 ID x 4
 Cherry Ripe tune x 12
 ID x 4
 Cherry Ripe tune x 24
 ID x 4
 Chime x 6
 and into 5FG x 2

Note: the last Cherry Ripe tune is repeated 24 times.

Current schedules:

UTC	Frequencies
----	-----
1000	20474, 23461
1100	14730, 18865
1200	18864, 23461
1300	12590, 14730, 21865
2200	18864, 24644
2300	18864, 21866
0000	14730, 18865
0100	18865, 21865

(Thank you very much, Igor, Kopf and pudmania42)

Idents:

Tomonori writes "I cannot find out the regularity yet. On Saturday and Sunday, I could not hear it on the scheduled frequencies."

Idents per 7-10

UTC	02/Oct Sun	03 Mon	04 Tue	05 Wed	06 Thu	07 Fri	UTC
-----	-----	-----	-----	-----	-----	-----	-----
0000		?????	?????	70807	70807	70807	0000
0100		?????	?????	70807	70807	70807	0100
1000		98394	98394	?????	42042	?????	1000
1100		?????	70807	?????	?????	?????	1100
1200		43704	42042	?????	98394	?????	1200
1300		?????	?????	?????	?????	?????	1300
2200	?????	98394	43704	43704	98394		2200

2300 98394 43704 42042 98394 43704 2300

Idents per 14-10

UTC	09/Oct Sun	10 Mon	11 Tue	12 Wed	13 Thu	14 Fri	UTC
0000		70807	70807	70807	70807	70807	0000
0100		70807	70807	70807	70807	70807	0100
1000		98394	43704	98394	42042	43704	1000
1100		?????	?????	70807	70807	70807	1100
1200		?????	98394	42042	98394	?????	1200
1300		?????	?????	70807	70807	70807	1300
2200	43704	98394	98394	43704	98394		2200
2300	98394	42042	43704	98394	98394		2300

Idents per 21-10

UTC	16/Oct Sun	17 Mon	18 Tue	19 Wed	20 Thu	21 Fri	UTC
0000		70807	70807	70807	70807	70807	0000
0100		70807	70807	70807	70807	70807	0100
1000		01757	18488	10685	?????	18488	1000
1100		70807	70807	70807	70807	70807	1100
1200		01757	10685	01757	?????	01757	1200
1300		70807	70807	70807	70807	70807	1300
2200	10685	01757	01757	18488	01757		2200
2300	18488	01757	18488	01757	10685		2300

Idents per 28-10

UTC	23/Oct Sun	24 Mon	25 Tue	26 Wed	27 Thu	28 Fri	UTC
0000		70807	70807	70807	70807	70807	0000
0100		70807	70807	70807	70807	70807	0100
1000		01757	18488	10685	10685	18488	1000
1100		70807	70807	70807	70807	70807	1100
1200		18488	10685	01757	01757	10685	1200
1300		70807	70807	70807	70807	70807	1300
2200	?????	01757	01757	18488	01757		2200
2300	?????	01757	18488	01757	01757		2300

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::: E10

Not much to report. But we've got the current skeds for you!!! The schedules were compiled by monitors AlphaVax and MysticOne. Excellent job, guys.

02-10, 1910 UTC, 6370 kHz: KPA 79
 08-10, 1900 UTC, 4270 kHz: PCD 1
 09-10, 2000 UTC, 9202 kHz: YHF 1
 22-10, 1230 UTC, 7918 kHz: YHF 1
 22-10, 1800 UTC, 4880 kHz: ULX 1
 15-10, 0430 UTC, 5435 kHz: ART 1
 15-10, 1430 UTC, 7760 kHz: ULX 1
 23-10, 1230 UTC, 7918 kHz: YHF 1
 25-10, 1230 UTC, 7918 kHz: YHF 1

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Call: YHF - Yankee Hotel Foxtrot

UTC	Frequencies	UTC	Frequencies
----	-----	----	-----
0000	2844 3840	0030	-
0100	-	0130	5820 7918
0200	5820 7918	0230	4560 5820
0300	-	0330	3840 4560
0400	3840 5820	0430	5820 7918 5)
0500	9202 10648	0530	7918 9202
0600	4560 5820	0630	5820 7918
0700	5820 4560	0730	5820 7918
0800	4560 5820	0830	4560 5820
0900	5820 7918	0930	5820 7918
1000	7918 9202	1030	5820 7918
1100	5820 7918	1130	5820 7918
1200	9202 10648	1230	5820 7918
1300	5820 7918	1330	9202 10648
1400	5820 7918	1430	4560 5820
1500	5820 7918	1530	4560 5820
1600	7918 10648	1630	4560 5820
1700	3840 4560	1730	3840 4560 1)
1800	5820 7918	1830	9202 10648
1900	2844 3840	1930	5820 7918 4)
2000	5820 9202 3)	2030	3840 4560
2100	4560 5820 2)	2130	4560 5820
2200	3840 5820	2230	5820 7918
2300	3840 4560	2330	-

1) = 1730=0330

2) = 2100=0400

3) = 2000=0200

4) = 1930=0530=1200

5) = 0430=1330

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Calls: ART - Alpha Romeo Tango

EZI - Echo Zulu India

FTJ - Foxtrot Tango Juliet

UTC	Frequencies	Frequencies	Frequencies
----	-----	-----	-----
0000	3415 5435	-	-
0030	3417 5437	-	-
0100	-	6840 9130 11565	2626 4461
0130	3415 5435	6840 9130 11565	-
0200	3415 5435	6840 9130 11565	-
0230	-	6840 9130 11565	-
0300	3415 5435	9130 11565	2626 4461
0330	-	6840 9130 11565	2628 4463
0400	5435 6986	11565 13533	4461 7358
0430	5435 6986	9130 11565	2626 4463
0500	3415 5435	11565 13533	4461 7358
0530	3415 5435	6840 9130 11565	2626 4463
0600	5435 6986	17410 19715	2626 4461
0630	5435 6986	9130 11565	4461 7358
0700	5435 6986	9130 11565	4461 7358
0730	5435 6986	9130 11565	4461 7358
0800	5435 6986	-	4461 7358
0830	5435 6986	9130 11565	4461 7358
0900	5435 6986	13533 17410	4461 7358
0930	5435 6986	17410 19715	4461 7322
1000	5435 6986	11565 13533	4461 7358
1030	-	-	4461 7358
1100	5435 6986	-	4461 7358
1130	5435 6986	9130 11565	4461 7358
1200	5435 6986	9130 11565	4461 7358
1230	5435 6986	13533 15980 17410	4461 7358
1300	5435 6986	13533 15980	4461 7358
1330	5435 6986	15980 17410	4461 7358
1400	5435 6986	19715 23740	4461 7358
1430	5435 6986	9130 11565	4461 7358
1500	3415 5435	13533 15980	4461 7358
1530	3415 5435	17410 19715	2626 4461
1600	3415 5435	11565 13533	4461 7358
1630	3415 5435	9130 11565 4)	2626 4461
1700	3415 5435	6840 9130 11565	4461 7358
1730	3415 5435	9130 11565 13533 1)	2626 4461 2)
1800	3415 5435	6840 9130 11565	2626 4461

1830	3415 5435	9130 11565 13533	2626 4461
1900	3415 5435 6986	6840 9130 11565	2626 4463
1930	5435 6986 1)	6840 9130 11565 3)	4461 7322
2000	3417 5435	9130 11565 13533	2626 4461
2030	3415 5435	6840 9130 11565	4461 7322
2100	3415 5435	11565 13533	4461 7358
2130	3415 5435	6840 9130 11565 2)	2626 4461
2200	3415 5435 2)	6842 9130 11565	2626 4461
2230	3415 5435	9130 11565	-
2300	3415 5435	-	2626 4461
2330	3415 5435	6840 9130 11565	2626 4461 1)

1) 1930=0430	1) 1730=2330	1)2330=0430
2) 2200=0100	2) 2130=0130	2)1730=0300
3) 1430=2030	3) 1930=0100	
	4) 1630=2030	

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Calls: JSR - Juliet Sierra Romeo
PCD - Papa Charlie Delta
ULX - Uniform Lima Xray

UTC	Frequencies	Frequencies	Frequencies
----	-----	-----	-----
0000	-	3150 4270	-
0030	-	3150 4270 6498	2743 4880
0100	-	-	6270 7760
0130	-	-	-
0200	-	-	2743 4880
0230	-	3150 4270	2743 4880
0300	-	3150 4270	-
0330	2270 5091	3150 4270 6498	2743 4880
0400	-	3150 4270	2743 4880
0430	-	4270 6498	4880 6270
0500	-	4270 6498	4880 6270
0530	-	4270 6498	4880 6270
0600	-	4270 6498	4880 6270
0630	-	4270 6498	6270 7760
0700	-	4270 6498	4880 6270
0730	-	6498 8805	6270 7760
0800	-	6498 8805	6270 7760
0830	-	6498 8805	6270 7760
0900	-	6498 8805	6270 7760
0930	-	6498 8805	6270 7760
1000	-	6498 8805	6270 7760
1030	-	6498 8805	6270 7760

1100	-	4270 6498	6270 7760
1130	-	6498 8805	4880 6270
1200	5091 7540	4270 6498	6270 7760
1230	5091 7540	6498 8805	4880 6270
1300	5091 7540	6498 8805	6270 7760
1330	5091 7540	6498 8805	4880 6270
1400	5091 7540	4270 6498	6270 7760
1430	5091 7540	6498 8805	4880 6270
1500	2270 5091	4270 6498	6270 7760
1530	5091 7540	6498 8805	6270 7760
1600	5091 7540	4270 6498	4880 6270
1630	2270 5091	4270 6498	2743 4880
1700	5091 7540	4270 6498	4880 6270
1730	2270 5091	4270 6498	2743 4880
1800	2270 5091	3150 4270	2743 4880
1830	2270 5091	3150 4270	4880 6270
1900	5091 7540	3150 4270	2743 4880
1930	2270 5091	3150 4270	4880 6270
2000	2270 5091	3150 4270	2743 4880 2)
2030	5091 7540	3150 4270	4880 6270
2100	2270 5091	4270 6498	2743 4880
2130	2270 5091	3150 4270 6498	2741 4880
2200	2270 5091	3150 4270	4880 6270
2230	2270 5091	4270 6498	2743 4880
2300	-	3150 4270	4880 6270 1)
2330	-	3150 4270	-

1) 2300=0400

2) 2000=0230

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::: E11

Mike has sent us the transcript of the E11 transmission of 1100 UTC on 12 Oct, 9610 kHz (184/70).

He writes; "Here is the message, the first part repeats each block of five numbers but I have shown them only once. I also noticed that the message is actually divided up with a pause between number blocks. I have shown this below, it is also repeated in the confirmation set at the end! Three sets of twenty then one set of 10."

184/70

Attention

64600 37233 17142 13862 35844 02757 59772 05080 05410 39071 42266 54548
35859 00397 33360 49023 07794 22395 43090 42427.

80992 87300 09054 47639 66017 89999 15800 31127 90947 48766 94922 57060
19766 62584 64007 02768 66709 51331 72970 37303.

72057 51916 18255 68170 15875 15783 61353 55298 00932 30311 32040 29801
25853 79731 22228 47713 21668 97266 01890 25402.

98317 72872 77368 60847 50070 55377 85212 99800 25467 36612.

Mike also heard E11 on
18-10, 1300 UTC, 8800 kHz: 183/00
25-10, 1030 UTC, 8759 kHz: 312/00
26-10, 1100 UTC, 9610 kHz: 186/00

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::: V02a / V02c

From Mark Slaten comes the following news and schedules of V02. The floor is yours, Mark. THANKS!

"As you know, the V2c broadcasts were with us from about August 8, 2004 until September 30, 2005. The schedule was fixed daily as follows:

Time	Sun	Mon	Tue	Wed	Thu	Fri	Sat
0900	7887	7527	7520	7482	7527	7520	7887
1000	7975	7681	7887	7862	7681	7887	7975
1700	8010	8010	8010	8010	8010	8010	8010
1800	8097	8097	8097	8097	8097	8097	8097
1900	8097	8097	8097	8097	8097	8097	8097
2000	7887	7887	7887	7887	7887	7887	7887
2100	6855	6855	6855	6855	6855	6855	6855
2200	6797	6797	6797	6797	6797	6797	6797

Basically, the same callups were used and the same message sent by the two different callups. Callups were:

A888 16x2 A252 166x1 A888 16x2 (R3) and the message began, 44621 62561 etc.

A346 72x5 (R3) and the message began, 73511 91082 etc.

And only once that I heard on January 9, 2005 the callup:
A445 62x5 (R3) and the message began, 611.4 08405 etc. was used.
Reception was bad for that sked.

Beginning in October 2005, this network changed it's format to that of V2a, with the following daily schedule being implemented:

Time	Sun	Mon	Tue	Wed	Thu	Fri	Sat
0900	7887	7527	7520	7482	7527	7520	7887
1000	7975	7681	7887	7862	7681	7887	7975
1600	7975	7975	7975	7975	7975	7975	7975
1700	8010	8010	8010	8010	8010	8010	8010
1800	8097	8097	8097	8097	8097	8097	8097
1900	8097	8097	8097	8097	8097	8097	8097
2000	7887	7887	7887	7887	7887	7887	7887
2100	6855	6855	6855	6855	6855	6855	6855

Note that the only time and frequency change is the 2200 UTC sked is eliminated and the 1600 UTC on 7975 kHz was put in it's place. There are now four different V2a broadcasts on a daily basis occupying these skeds. At 0900, 1600, 1800 and 2000 the primary sked is on, and at 1000, 1700, 1900 and 2100 the secondary or repeat sked is broadcast. Here is an example from today October 29, 2005:

0900	7887	A39083	39413	02603	(Primary)
1000	7975	A39083	39413	02603	(Secondary)
1600	7975	A84305	73605	24685	(Primary)
1700	8010	A84305	73605	24685	(Secondary)
1800	8097	A13256	08366	30096	(Primary)
1900	8097	A13256	08366	30096	(Secondary)
2000	7887	A39258	67888	54718	(Primary)
2100	6855	A39258	67888	54718	(Secondary)

For those who are new to the "Numbers Stations", the Cubans format is such that the last number of each of the three callups will increment by one each day. For instance,

2100	6855	A39257	67887	54717	(Yesterday)
2100	6855	A39258	67888	54718	(Today)
2100	6855	A39259	67889	54719	(Tomorrow)

The Cuban M8a and M8c formats also use this incremental way of keeping track of the number of days that a message is sent. The M8's also use the primary/secondary format.

There are other V2a skeds on the air that keep regular schedules, but this is the only group to my knowledge that used a V2c schedule.

I hope some of you have found this of interest.

Happy monitoring!!!"

-0-0-0-0-0-0-0-0-0-0-

★ MORSE STATIONS ★

::: MX

CLUSTER BEACONS

D - 7038.7, 8494.7, 10871.7, 13527.7, 16331.7 kHz

P - not heard

S - 7038.9, 10871.9, 13527.9, 16331.9, 20047.9 kHz

C - 4558, 5154, 7039, 8495, 10872, 13528, 16332, 20048 kHz

A - 5154.1, 7039.1, 8495.1, 10872.1, 13528.1, 16332.1, 20048.1 kHz

F - 7039.2, 8495.2, 10872.2, 13528.2 kHz

K - 7039.3, 8495.3 kHz

M - 8495.4, 10872.4, 16332.4 kHz

Cluster beacon "A" has been reactivated but from a different location. In the past it was part of the Far Eastern cluster but it is now part of the European cluster. Thanks to a number of radio amateurs and professionals, we now know that the beacon is located in the Baku area in Azerbaidjan. It could be related to the Caspian Sea fleet.

CHANNEL MARKERS

L - 3202.9 drifting to 3203.7 and often sending .-... instead of .-..

P - 2330.9, 3291, 3699.5, 3837, 4043, 4828, 5982 kHz. Both coded messages and channel marker "P" on these frequencies.

Parallel frequencies 3291//3699.5//3837 kHz and 4043//4828 kHz

R - 3685.8, 4325.8 and 5465.8 kHz

<<<<<>>>>

::: M13

I received a bunch of logs from Fritz this month. As you can see M13 is active as ever.

SAT	1.10.	0430	5413	411	278/20
SUN	2.10	0230	5876	767	299/30
		0300	5173	378	288/20
		0430	5413	411	278/20
		1900	8454	261	297/21
		2000	8454	261	297/21
		2030	5413	411	278/20

		2110	3721	427	756/20
MON	3.10.	1900	9342	517	258/20
		2000	9342	517	258/20
		1900	9342	261	297/21
		2000	9342	261	297/21
		2100	4452	378	288/20
		2110	3721	427	756/20
		2120	8844	746	258/22
TUE	4.10.	1900	9342	517	258/20
		2000	9342	517	258/20
WED	5.10	0600	9943	823	253/22
		0630	10283	474	253/22
		1230	10878	823	253/22
		2145	7978	757	278/22
THU	6.10.	0630	10283	474	253/22
		2000	11524	253	256 QRM
		2100	6924	254	263 QRM
		2100	4222	899	255/21
FRI	7.10.	2000	6724	284	253/23
		2000	11524	253	256/23
SAT	8.10.	2000	6724	284	253/23
SUN	9.10.	1900	6975	417	QRM
		2100	3657	473	000
		2115	8497	501	257/21
MON	10.10.	0300	6445	284	000
		0330	8155	458	153/19
		1900	6975	417	253/22
		2000	6887	387	260/22
		2115	8497	501	257/21
		2230	6358	474	253/22
TUE	11.10.	1300	6933	679	270/21
		2000	6887	387	000
THU	13.10.	1500	7740	365	253/21
		1700	7740	365	253/21
		2000	11424	714	QRM
FRI	14.10.	1500	7740	365	253/21
SUN	16.10.	1900	8455	261	297/21
		2000	8455	261	297/21
		2030	5413	411	278/20
MON	17.10.	1900	9342	517	258/20
		2000	9342	517	258/20
		1900	6306	261	297/21
		2000	6306	261	297/21
TUE	18.10	1900	9342	517	258/20
		2000	9342	517	258/20
WED	19.10.	0600	6208	572	254/21
		0600	9943	823	253/22
		1230	10878	823	253/22

Both Igor and Mark supplied a complete M13 message:

7978 kHz, 2145 UTC, 5 Oct.

757 757 757
= 278 22 =
36698 26954 53263 41494 27t87 42t81 4987t 28467 17978 54732
36149 62t81 52391 57583 17983 t1999 48355 47656 29929 3t789
51t49 38857 =
757 757 757 757 757 757 757 757 757 757 757 757
= 278 22 =
36698 26954 53263 41494 27t87 42t81 4987t 28467 17978 54732
36149 62t81 52391 57583 17983 t1999 48355 47656 29929 3t789
51t49 38857 =
ttt

6358 kHz, 2230 UTC, 10 Oct.

474 (R5) BT 253 22 BT
58592 57091 49063 15442 44462
30793 63221 50218 29205 51620
25526 48907 47532 27440 43384
57501 14925 14449 49806 05257
57590 12644 BT
474 (R1) BT 253 22 BT
58592 57091 49063 15442 44462
30793 63221 50218 29205 51620
25526 48907 47532 27440 43384
57501 14925 14449 49806 05257
57590 12644 BT
BT
0 0 0

<<<<<>>>>

::: M21

PV0 used the following frequencies in October: 3228.5, 5201, 6881.5 kHz.
All with id "0". Also heard on 4542 and 5873 kHz with id "8".

<<<<<>>>>

::: M22

2680//4331//6379 kHz with daily transmissions. No other frequencies

found with morse transmissions.

<<<<<>>>>>

::: M41

4959 kHz, 1900 UTC, 14-10:

vvv vvv WLSB wzd 7221959979389 abv 7221959979389..... WLSB WLSB WLSB +

Note: the Russian navy also uses "WZD" in its coded messages. This strengthens my idea that M41 is a Russian military station. Thanks for the logs, Fritz!

Sample:

7664 kHz, 1850 UTC, 4-10:

RCJG de RIW QTC 828 22 4 2240 828 = wzd = 5FG

<<<<<>>>>>

::: M51

Another one from Fritz. He has been on the lookout for M51 and found them on a number of frequencies.

Frequency	date	time	remarks
5885	3-10	0805 UTC	= nr 80 o 03 10:05:48 1983 = 5FGx100 =
8128//9110	3-10	1545 UTC	
7436	4-10	1500 UTC	
6787	6-10	1545 UTC	
6787	11-10	1330 UTC	
7436//6896	11-10	1410 UTC	
5082	12-10	1435 UTC	
6787	14-10	0941 UTC	= nr 08 o 14 11:41:32 1983 = 5FGx100 =
5885//5082	17-10	0738 UTC	
8128//9110	17-10	1515 UTC	

M51 is back after two months of silence. All messages show the year 1983. A malfunctioning system or do they really use old tapes? The station now operates on Mon-Fri and uses the same frequencies for several weeks.

<<<<<>>>>>

::: M62

3486 kHz, 0600 UTC, 17-10: IKWU IKWU IKWU +

0712 UTC, 17-10: I4U7 = 1 20 17 0912 045 =

IKWU = 5LGx20 = for IKWU rpt QLN +

<<<<<>>>>>

::: M89

Only two strings were reported this month:

V T3AP T3AP T3AP de QF3k QF3K on 5727, 8437.8 and 8442 kHz

V CP17 CP17 CP17 DE L9CC L9CC on 7064, 7073.3 and 7077.8 kHz

-0-0-0-0-0-0-0-0-0-0-

* VARIOUS MODES *

::: X06 / M42

5178 kHz: Russian intel service, Russia. 2040 UTC, 18-10.

Mode: AM/16-tone MFSK/20Bd. Auto broadcasting 5 figure group msg to recipient "891"

6780 kHz: Dept. of State Comms Moscow. 1312 UTC, 30-10. Mode: Baudot 50/500. 5FGs offline crypto to "URG" on link 00102

9923 kHz: Mazielka calls. 1500 UTC, 14-10

10270 kHz: Dep. of State Comms Moscow. 1120 UTC, 23-10. Mode: Baudot 50/500, 5LG offline crypto to "UAN" on link 00102

12110 kHz: Mazielka calls. 1030 UTC, 27-10

Mazielka calls. 1048 UTC, 31-10

16025 kHz: Mazielka calls. 1501 UTC, 24-10

17512 kHz: Mazielka calls. 1400 UTC, 18-10

Mazielka calls. 1410 UTC, 19-10

18349 kHz: Mazielka calls. 1106 UTC, 31-10

<<<<<>>>>>

S28 - Buzzer: 4625 kHz

S30 - Pip: 3756 kHz

S32 - Squeaky Wheel: 3828.9 kHz

XM - Whales: 4445 kHz

XSL - Japanese navy, "Slot Machine": 6250, 6445, 8588, 8703.5 kHz.

-0-0-0-0-0-0-0-0-0-0-

* UNID STATIONS *

The first comes from Fritz. He heard the station for months in a row. It used the same call and time as last month.

6914 kHz, 1530 UTC, 5-10: "VRB7" repeated for 2 minutes, then off.

<<<<<>>>>>

::: XX7 ODDITY

Do you remember the mysterious xx7 oddity? The propagation logger that popped up back in December 2000? The one that only used frequencies that ended on "7"? (see N&O #31). Well..... IT'S BACK. Logged by both Klaus and Igor. Klaus discovered the net in 2000 and immediately started a band scan when it was re-discovered. Here are the results. Thanks Klaus. Great job!

Schedule 9 October 2005:

Net A

3807	xx:07:10	xx:17:10	xx:27:10	xx:37:10	xx:47:10	xx:57:10
3807	xx:07:20	xx:17:20	xx:27:20	xx:37:20	xx:47:20	xx:57:20
4807	no transmission					
5807	xx:07:30	xx:17:30	xx:27:30	xx:37:30	xx:47:30	xx:57:30
6807	xx:07:40	xx:17:40	xx:27:40	xx:37:40	xx:47:40	xx:57:40
7807	xx:07:50	xx:17:50	xx:27:50	xx:37:50	xx:47:50	xx:57:50
8807	xx:08:00	xx:18:00	xx:28:00	xx:38:00	xx:48:00	xx:58:00
8807	xx:08:10	xx:18:10	xx:28:10	xx:38:10	xx:48:10	xx:58:10
9807	no transmission					
10807	xx:08:20	xx:18:20	xx:28:20	xx:38:20	xx:48:20	xx:58:20
11807	xx:08:30	xx:18:30	xx:28:30	xx:38:30	xx:48:30	xx:58:30
12807	xx:08:40	xx:18:40	xx:28:40	xx:38:40	xx:48:40	xx:58:40
13807	xx:08:50	xx:18:50	xx:28:50	xx:38:50	xx:48:50	xx:58:50
14807	xx:09:00	xx:19:00	xx:29:00	xx:39:00	xx:49:00	xx:59:00
15807	xx:09:10	xx:19:10	xx:29:10	xx:39:10	xx:49:10	xx:59:10
16807	xx:09:20	xx:19:20	xx:29:20	xx:39:20	xx:49:20	xx:59:20
17807	xx:09:30	xx:19:30	xx:29:30	xx:39:30	xx:49:30	xx:59:30
18807	xx:09:40	xx:19:40	xx:29:40	xx:39:40	xx:49:40	xx:59:40

Notes:

- 1) Transmission content: Single 330 ms FSK bursts, about 100 bit/s
- 2) At times there is a second station about 3 s later. Sometimes only this station B is heard. Seems that B does not respond to station A, but transmits anyway.
- 3) Operating hours: Uncertain, not daily

Net B

3007	hh:07:00	hh:17:00	hh:27:00	hh:37:00	hh:47:00	hh:57:00
4007	hh:07:10	hh:17:10	hh:27:10	hh:37:10	hh:47:10	hh:57:10
5007	hh:07:20	hh:17:20	hh:27:20	hh:37:20	hh:47:20	hh:57:20
6007	hh:07:30	hh:17:30	hh:27:30	hh:37:30	hh:47:30	hh:57:30
7007	hh:07:40	hh:17:40	hh:27:40	hh:37:40	hh:47:40	hh:57:40

8007	hh:07:50	hh:17:50	hh:27:50	hh:37:50	hh:47:50	hh:57:50
9007	hh:08:00	hh:18:00	hh:28:00	hh:38:00	hh:48:00	hh:58:00
10007	hh:08:10	hh:18:10	hh:28:10	hh:38:10	hh:48:10	hh:58:10
11007	hh:08:20	hh:18:20	hh:28:20	hh:38:20	hh:48:20	hh:58:20
12007	hh:08:30	hh:18:30	hh:28:30	hh:38:30	hh:48:30	hh:58:30
13007	hh:08:40	hh:18:40	hh:28:40	hh:38:40	hh:48:40	hh:58:40
14007	hh:08:50	hh:18:50	hh:28:50	hh:38:50	hh:48:50	hh:58:50

Above 14007 nothing heard so far, maybe due to propagation conditions.

Remarks:

Each transmission of the "xx7 oddity" consists of a single 330 ms long FSK burst with about 100 bit/s. The general scheme is that the frequency is increased by exactly 1 MHz every 10 seconds.

There are two "nets": Net A on xx807 kHz net b on xx007 kHz. Some transmissions in net A are not within the pattern "1 MHz up every 10 s", see schedule.

Times given in the schedule denote the beginning of each 10 s time slot. The exact transmission time may be 2 - 5 s later, in particular in "net B".

At times there is a second station about 2 s after the first one. Sometimes only this station 2 is heard. It seems that it does not respond to station 1, but transmits anyway. Or maybe the recently reactivated net B is station 2...

Operating hours: Uncertain, apparently not daily. The system has been off air for months (net A) or several years (net B).

<<<<<>>>>>

::: UNID on 5500 from Igor in N&O 99

Last month I published an unid that was supplied by Igor.

```
for 98434 fm 97667 r ? k
= 84t3t r ? k
= 84t53 77587 3t4t4 9394t 51337 21t32 25173 7t341 72t36 3633t
  t3t76 64835 57254 82542 31887 4t152 22315 69424 496t4 56528
  64739 5241t 32145 67961 t6185 64t19 t78t5 967t1 253t3 t4345 r ? k
cfm =
for 98434 fm 97669 r ? k
```

Fritz sent me a note about this log and comments:

"I logged this network many times since late 2003. The format is

very inconsistent, it may be a family of related stations or just one network. The structure is unknown.

Frequencies: low 4040, high 14376

Mode: Duplex, never heard both stations together.

Messages: 4FGs or 5FGs. Sometimes closes traffic withQTR 1700 (UTC!) Is this not a CIS network??

Message format changed from:

"for 3FG 3FG fm 3FG 3FG" to: "for 5FG fm 5FG"

Recently the "xxx" groups were observed. Flash msgs?

All is hand sent, sometimes in bad quality. Few CIS military Q codes are used (QQT = repeat msg of ...). Looking at Igor's log, it seems that several messages are sent to the same addressee, which is unusual."

Thanks for the comments, Fritz.

-0-0-0-0-0-0-0-0-0-0-

* MILITARY STATIONS *

Geoff reports an interesting military exercise(?) net. Does anyone know who they are?

5438 kHz. Callsigns: Base, 01, 02, 03, 04, C1. Base op had South African accent. Mentioned car bombs, tanks, QRF, civilian casualties.

<<<<<>>>>

::: RUSSIAN, CIS & UKRAINIAN SSB & CW STATIONS

18.1 Russian Mil: RDL. Strategic Bcast from the Krasnodar transmitter //10535 & 12832 kHz.

2932 Russian 'RFF' Net. RFFN exchanges msgs with RFFh, RFFP, RFFR, RFFO and RFFM who are on 3933 kHz.

3287 Russian navy: RMO.
RKZ de RMP QTC 321 26 18 2254 321 = fm RJD69 = 5FGs....+

3826 Ukrainian Mil: Comms check with L6SD, SKF1, DFHN, 1NH7, J77D, LZXX, CPHK, ALGO, NRS4, PW03, VMAZ, 3MYZ, KV7N, BNWY.

3882 Ukrainian Mil. Broadcasts msg to collective FK9E:
FK9E QTC AR FK9E QTC 839 59 3 2131 839 = 976 = AAAAA IIIWW
OGGGZ BSAII AAAZF ... HEDVI KWKDV K. Only L4YL gives R 839 K.

3933 Russian 'RFF' net.

4079 Russina navy: RMP. Wx bulletins in Russian. "REO de RMP qtc 746 156 12 1957 746 - Prognoz pogody".
QTC 161 171 23 1957 161 = SML = ... Weather fcast for the Baltic in Russian.

4471 Russian Mil: FEBE, QTVJ, KRN6

4479 CIS Mil: 7CTG de KZ20 K. QSA? K. OK R K.

6971.5 Russian navy: RAS82 wkg RJD99.
RJD99 de RAS82 QSA? QTC K. RAS82 713 26 3 0000 713 = FOR RJD99 = 87150 15895 64187 ... 39454 03024 = RAS82 K. Probably naval air.

8807 CIS Mil: CBCU 455 40 3 ..17 455 = 349 = R? K. CBCU R 120 K.
CBCU R 347 QTC K. 944 53 3944 = 342 = R? K. R 247 K QRU? K.

8816 Russian naval aircraft.
10358 QTO 1300 QRD XLMD XMKK QRE 1720 QBD 16000 k.
10358 de RJC38
10358 de RJF94
10358 messages for RJF94/Central Sector Station Moscow (PRIBOJ) and RJC38/Northern Sector Station Murmansk (NOVATOR) "QQM XLWF 1332". (Arrived at control zone Kipelovo/Fedetovo at 1332 UTC).
RJF94 and RJC38 read back message.
71498 sends routine ops message to RJF94/Central Sector station Moscow (PRIBOJ) and RCB/West Sector station (KRAKET): 71498 QTO 1330 QRD XLLV (Levashovo) XLOS (Ostrov/Verete) QAL XLOS 1445 QAH 5100 QTD 0500 RPT AL K. 71498 unheard by RJF94. RCB relays message to RJF94.

9136 Russian navy: RIW. Clg RCC

9145 Russian navy: RIW. Weather forecast for Navarea 111 and Sea of Japan in Russian

10201 Russian navy: RCV. QTC (prognoz pagody) weather forecast and RIP90 DE RCV QTC

10315 Unid Russian mil: RNI3. Clg RIU4 and RIW5 for QSA check

10535 Russian Mil: RDL. Strategic Bcast // 18.1 kHz.

11000 Russian Navy: RIW. Wkg RCJG and RMAZ

11354 Russian mil aircraft.
71522: a/c has comms probs.. passes following via a/c 43571 to

PRIBOJ: Overflew point NOVRO at 1057. FL 5400. FUREM 3000 Kg.
71523: wkg PRIBOJ. T/O Ostaf'evo. Proceeding Ostrov. F/R 5500 Kg.
ETA Ostrov 1000.
Wkg PRIBOJ. Passed Belyj at 0916. FL 5400. F/R 4100 Kg.
42294: Told KROKET. Landed Gvardejskoe 0859. Msg ack'd by PRIBOJ.
72914: Wkg PRIBOJ. T/O Anapa 1021. ETA Ostaf'evo 1317. FL 9100
F/R 6700 Kg.

11499 Russian Mil: VVV RBW43 de RDD71 ZVV (then DIG mode). RDD71 unid,
RBW43 once was Murmansk Meteo.

12832 Russian Mil: RDL. Strategic Bcast //18.1 & 10535 kHz.

13844 Russian Mil: Comms check: 1YIF de Z1GI K. R K.

<<<<>>>>

The sudden appearance of cluster beacon "A" was for many people reason to believe that the move of the Russian Black Sea Fleet from the Ukraine to Russia is about to begin.

Jim has written a piece about the subject. Since he has written it, we learned that the location of cluster beacon "A" is near the Caspian Sea, in the Baku area in Azerbaidjan. We also know that the Ukrainian and Russian governments had a fruitful meeting about the subject and that the Ukraine assured Russia it would fulfill its commitment to lease a base in Sevastopol to Russia through 2017.

Nevertheless, I think that the info below is still interesting enough to publish in N&O. Thanks Jim!

::: BLACK SEA FLEET RELOCATION

The following is a prEcis of material on this subject which appeared in the Russian press during the last few months.

24 May 2005. The Black Sea fleet is about to be transferred from its Sevastopol base probably to a location in a region of salt lakes near Anapa, a seaside resort on the Russian Black Sea coast (44N 03730E) near Novorossiysk between Anapa and the Kertch strait. Admiral Eduard Baltin proposed that the relocation should commence immediately due to political difficulties with the Ukraine over the Sevastopol base.

The admiral emphasised that, at present, the use of Sevastopol has to be co-ordinated with the Ukranians, "and not one ship can leave or visit the base without the permission of the Ukranian authorities, who even insist on customs inspections and customs duties".

Novorossiysk and the Taupse region were also considered as possible new sites but Novorossiysk was not considered entirely suitable due to the poor weather conditions there. (How the weather can be significantly different from Anapa is not clear). Taupse was rejected as it was a "health resort zone" with no suitable territory and infrastructure for the fleet. The hydrographic vessel 'Cheleken' was tasked with a study of the salt lakes around Anapa to decide what work would be required to make the area into a suitable naval base. However, it is proposed that the whole region of the 'Krasnodar Edge' in the region of Novorossiysk will be surveyed as it was considered that the Black Sea Fleet would be based at two new locations, one of which is likely to be Novorossiysk. (This must be in spite of the "poor weather conditions" there!)

The lease of the Russian naval bases in the territory of the Ukraine does not run out until 2017, leaving enough time for the relocation, particularly as the Ukrainian authorities thus far do not appear to be insisting on the early removal of the Russian fleet. It is hoped that during this time the somewhat bellicose attitude of the Ukrainian authorities will improve.

Notes:

* Something may have been lost in translation, but the latter paragraph above conflicts with an earlier report in the Eurasia Daily Monitor, Volume 2, Issue 77 of April 20, 2005:

"UKRAINE ASKS RUSSIA TO BEGIN PREPARATIONS FOR WITHDRAWING BLACK SEA FLEET":

"... Tarasyuk gave advance notice that Ukraine will not be extending the 20-year agreement that expires in 2017. Ukraine wants Russia gone as soon as possible to facilitate its joining NATO, and Moscow seems to be anticipating relocation."

"Tarasyuk quoted Russian officials who stated their intention to build an alternative base in Novorossiysk where they would transfer the Fleet within three years (Ukrayinska Pravda, April 15)".

<http://eng.maidanua.org/node/260>

* My interest in this relocation came about following the recent discovery of a new beacon "A" which seemed to be arriving at my location from a 090 degree direction. This suggested, possibly Anapa. However, I cannot find anything to suggest that the proposed base at Anapa is as yet a going concern. It seems unlikely as the decision to relocate appears to be a fairly recent one, and in the press report above, officials are quoted as saying "... would transfer the Fleet within three years".

It has been suggested that a more likely location for "A" would be around the Caspian Sea area, perhaps Astrakhan, the headquarters of the Caspian Sea Flotilla, a small, mainly border-guard and anti-smuggling operation.

WUN, 14 October 2005.

Footnote:

Since writing the above, the Ukraine has reiterated its intention to honour the agreements reached in 1997 over the stationing of the Black Sea Fleet at Sevastopol. This does not necessarily mean that Russia will not relocate regardless of the Ukraine's willingness for them to remain:

<http://en.rian.ru/world/20051010/41659797.html>

MOSCOW, 10 October (RIA Novosti) - Ukraine assured Russia it would fulfill its commitment to lease a base in Sevastopol to Russia through 2017, a Ukrainian defence official said Monday. Secretary of the Ukrainian National Security and Defense Council Anatoliy Kinakh told journalists after a meeting with a Russian parliamentary speaker that Ukraine did not contend the agreement's period of validity (up to 2017). The agreement on the status and conditions of the Russian Black Sea Fleet's stay in Ukraine was signed in May 1997 ...

and:

<http://english.pravda.ru/cis/2002/07/02/31630.html>

Only time will tell!

Jim Dunnett (RGA), WUN, 14 October 2005.

NNNN

-0-0-0-0-0-0-0-0-0-0-

* INTELLIGENCE PROFILE - BRAZIL *

BACKGROUND

Following three centuries under the rule of Portugal, Brazil became an independent nation in 1822. By far the largest and most populous country in South America, Brazil overcame more than half a century of military intervention in the governance of the country when in 1985 the military regime peacefully ceded power to civilian rulers. Brazil continues to pursue industrial and agricultural growth and development of its interior. Exploiting vast natural resources and a large labor pool, it is today

South America's leading economic power and a regional leader.

GENERAL

- Country name: Republica Federativa do Brasil (Brasil)
Federal Republic of Brazil (Brazil)
- Capital: Brasilia
- Administrative divisions:
1 federal district; Distrito Federal
and 26 states (estados, singular - estado); Acre, Alagoas, Amapa, Amazonas, Bahia, Ceara, Espirito Santo, Goias, Maranhao, Mato Grosso, Mato Grosso do Sul, Minas Gerais, Para, Paraiba, Parana, Pernambuco, Piaui, Rio de Janeiro, Rio Grande do Norte, Rio Grande do Sul, Rondonia, Roraima, Santa Catarina, Sao Paulo, Sergipe, Tocantins

MILITARY / SECURITY / INTELLIGENCE

Military branches:

- Brazilian Army
- Brazilian Navy (includes Naval Air and Marines)
- Brazilian Air Force Subsecretaria de Inteligência ñ SSI
- State Military Police

Police:

- Federal Police (PF)
- Federal Railway Police
- Brazil Federal Highway Police
- Sao Paulo State Civil Police
- Sao Paulo State Military Police
- State Civil Police

Intelligence:

Serviço Federal de Informações - SFICI
Escola Nacional de Informações - ESNI
Serviço Nacional de Informações ñ SNI
Centro de Informações do Exército - CIE
Centro de Informações da Aeronáutica - CIA
Centro de Informações de Marinha - Cenimar
Secretaria de Inteligência
Departamento de Inteligência
Secretaria de Assuntos Estratégicos - SAE
Sistema Brasileiro de Inteligência - SISBIN
Agência Brasileira de Inteligência - ABIN
Sistema de Inteligencia do Mercosur- Sisme
Gabinete de Segurança Institucional - GSI
Secretaria Nacional de Segurança Pública - SENASP
Conselho Especial do subsistema de Inteligencia de Segurança Pública
- CESISP

Conselho de SeguranÁa Nacional - CSN

The first Brazilian intelligence agency was formed by decree 9775-A, of 6 Sept. 1946. This ServiÁo Federal de InformaÁies - SFICI (Federal Information Service) was formed to co-ordinate information gathering activities concerning the national security.

After the military intervention a new law (4341) was issued on 13-6-1964 after which the SFICI ceased to exist and was replaced by the ServiÁo Nacional de InformaÁies ñ SNI. The National Intelligence Service was dominated by the military and existed from 1964 to 1990. In 1973 it secured its dominance over the intelligence community with the opening of the Escola Nacional de InformaÁies (National Intelligence School).

In theory, the SNI supervised and coordinated the Centro de InformaÁies do ExÈrcito - CIE (Army Intelligence Center), the Centro de InformaÁies da Aeron·utica - CIA (Air Force Intelligence Center) and the (Centro de InformaÁies de Marinha - Cenimar (Naval Intelligence Center). In practice however, the military maintained their autonomy.

After changing from a military to a civil government a new ministry was introduced: Departamento de InteligÍncia (Department of Intelligence).

The Secretaria de Assuntos EstratÈgicos - SAE (Strategic Affairs Secretariat) existed from 1990 to 1994 and had oversight responsibilities of Brazil's nuclear, space, missile, armaments, and intelligence programs. The SAE did not effectively oversee Brazil's intelligence apparatus which was the main reason why it was replaced by the current intelligence agency, the ABIN.

In 1995, the Subsecretaria de InteligÍncia ñ SSI (Under-Secretariat of Intelligence) was formed. This was the beginning of a number of changes that eventually resulted in a new intelligence system in Brazil on 7 December 1999. On that date the Sistema Brasileiro de InteligÍncia - SISBIN was created (Brazilian Intelligence System) and a new agency was born: AgÍncia Brasileira de InteligÍncia - ABIN (Brazilian Intelligence Agency).

ABIN was established as a central agency put in charge of planning, executing, co-ordinating, supervising and controlling the country's intelligence and counter-intelligence activities. It has offices in all of the 26 states.

The Gabinete de SeguranÁa Institucional - GSI (Institutional Security Office) saw the light in 1998. This office oversees the ABIN and SNA (Secretaria Nacional Antidroga, the National Anti-Drugs Secretariat).

Secretaria Nacional de SeguranÁa Pùblica - SENASP (National Secretariat

of Public Security) is responsible for monitoring internal security issues. Its head reports to the Minister of Justice. Within SENASP a new department was established in December 2000: CESISP - Conselho Especial do subsistema de Inteligencia de SeguranÁa Publica (Special Council for the Intelligence and Public Security). This department coordinates the intelligence and internal security information from the public security secretariats in the various Brazilian states.

Conselho de SeguranÁa Nacional - CSN (National Security Council) is a presidential security advisory body.

Sistema de Inteligencia do Mercosur - Sisme (Mercosur Intelligence Service) is an intelligence sharing arrangement between national police forces and justice ministers of Argentina, Brazil, Bolivia, Chile, Paraguay and Uruguay. The security services of these countries (with the exception of Bolivia) already had a anti-militant accord in the period 1975-1990, known as Operation Condor. The status of Sisme is not clear. Some sources say that it is operational, others state that it doesn't exist anymore.

SOURCES

<http://www.abin.gov.br/abin/index.jsp>

FAS

CIA World Factbook

Various newspapers and public sources

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* INTELLIGENCE NEWS *

Andrei Soldatov sent me a note that Agentura has published a report about terrorism prevention in Russia. Feel free to download a copy from the Agentura website. The report is available in Russian and English.
<http://studies.agentura.ru/english/listing/terrorismprevention/>

Agentura has more interesting items on their website. Check also "Espionage cases in Russia."

Thanks Andrei.

-0-0-0-0-0-0-0-0-0-0-

* LOGS SECTION *

2628	E10	FTJ AM 19-10-2005	0333 (AA)
2680	M22	4XZ. Israeli navy. VVV marker CW 19-10-2005	0116 (AA)
3150.0	E10	PCD 44 HMGXR USB 27-10-2005 Thu	0230 (BS4)

3150.0 E10 PCD2 USB 28-10-2005 Fri 0030 (BS4)
3202.9 MX Channel marker "L" CW 19-10-2005 Wed 1922 (AB)
3228.5 M21 PVO id 0 CW 10-10-2005 1935 (FN)
3228.5 M21 PVO 992306??0????? CW 15-10-2005 1904 (RGA)
3228.5 M21 Russian Air Defense CW 25-10-2005 Tue 2022 (AB)
3291 MX Channel marker "P" CW 10-10-2005 1920 (FN)
3291 MX Channel marker "P" CW 19-10-2005 0216 (AA)
3291 MX Channel marker "P" CW 19-10-2005 Wed 1923 (AB)
3292.0 V02a A81856 ?0052 44412. QRN. 3x Final USB 4-10-2005 Tue
0200 (ALB)
3360.0 E10 VLB2//5170, 7445 USB 5-10-2005 Wed 0245 (BS4)
3383.0 S10D 555:601-25/29=50528 AM 13-10-2005 Thu 2020 (HFD)
3389.0 V02a Heavy QRN. 3x final. USB 4-10-2005 Tue 0100 (ALB)
3389.0 V02a In Progress//S800M//Brooklyn USB 21-10-2005 Fri 0505
3415.0 E10 ART 17 HZJZF//5435 USB 5-10-2005 Wed 0130 (BS4)
3415.0 E10 ART 17 HZJZF//5435 USB 19-10-2005 Wed 0130 (BS4)
3496 M62 IKWU IKWU IKWU + CW 17-10-2005 0710 (FN)
3496 M62 I4U7 = 1 20 17 0912 045 = IKWU = 5LGx20 = for IKWU rpt
QLN + CW 17-10-2005 0712 (FN)
3522.0 M10 555:872-46/37-8160 6,027-###/21=##### CW 10-10-2005
Mon 2100 (HFD)
3557.0 E10 SYN2//5230, 6930 USB 5-10-2005 Wed 0245 (BS4)
3657 M13 473 000 CW 9-10-2005 2100 (FN)
3686 MX Channel marker "R" CW 19-10-2005 0318 (AA)
3699.5 MX Channel marker "P" CW 10-10-2005 1920 (FN)
3699.5 MX Channel marker "P" CW 19-10-2005 0120 (AG)
3699.5 MX Channel marker "P" CW 19-10-2005 0255 (AA)
3721 M13 427 756/20 CW 2-10-2005 2110 (FN)
3721 M13 427 756/20 CW 3-10-2005 2110 (FN)
3756 S30 Pip CW 19-10-2005 Wed 1931 (AB)
3828.9 S32 Squeaky Wheel USB 24-10-2005 Mon 2042 (AB)
3837 MX Channel marker "P" CW 10-10-2005 1920 (FN)
3837 MX Channel marker "P" CW 19-10-2005 0116 (AG)
3837 MX Channel marker "P" CW 19-10-2005 0255 (AA)
3840.0 E10 YHF in tfc//5820 USB 1-10-2005 Sat 0400 (BS4)
3840.0 E10 YHF 60 ZCMSX//4560 USB 8-10-2005 Sat 0330 (BS4)
3840.0 E10 YHF 13 AWTBI//5820 USB 8-10-2005 Sat 0400 (BS4)
3840.0 E10 YHF 60 ZCMSX//4560 USB 15-10-2005 Sat 0330 (BS4)
3840.0 E10 YHF in tfc//4560 USB 18-10-2005 Tue 2300 (BS4)
3840.0 E10 YHF in tfc//4560 USB 20-10-2005 Thu 2300 (BS4)
4015.0 S11A 971/00 AM 19-10-2005 Wed 2100 (HFD)
4027.0 M08a ID 07451 28201 68297 CW 29-10-2005 Sat 1100 (MS)
4028.0 V02a In Progress//S800M//Brooklyn USB 21-10-2005 Fri 0505
4030.0 M10 555:403-47/33=48393,710-79/38=94052, CW 12-10-2005 Wed
1900 (HFD)
4035.0 V02a (V2a carrier up whole sked time, but no voice. Op
probably forgot to turn recor AM 29-10-2005 Sat 1000
4039 MX Channel marker "P" CW 9-10-2005 1545 (FN)

4043 MX Channel marker "P" CW 18-10-2005 1421 (AG)
 4043 MX Channel marker "P" CW 19-10-2005 1528 (AG)
 4165.0 E10 CI02//5230 USB 8-10-2005 Sat 1845 (JAQ)
 4174 V02a in progress AM 10-10-2005 0312 (Vambo)
 4222 M13 899 255/21 CW 6-10-2005 2100 (FN)
 4270.0 E10 PCD, 21, LLNJF AM 5-10-2005 Wed 2100 (RNL)
 4270.0 E10 PCD 31 MYLGO USB 8-10-2005 Sat 1800 (JAQ)
 4270.0 E10 PCD 97 YERRS USB 8-10-2005 Sat 1830 (JAQ)
 4270.0 E10 PCD1 USB 8-10-2005 Sat 1900 (JAQ)
 4270.0 E10 PCD 63 OKVMD USB 31-10-2005 Mon 2030 (JS3)
 4325.8 MX Channel marker "R" CW 19-10-2005 Wed 1925 (AB)
 4331 M22 4XZ. Israeli navy. VVV marker CW 15-10-2005 2124
 4331 M22 4XZ. Israeli navy Haifa CW 28-10-2005 2044 (MAL)
 4360.0 E10 CI02//5339 USB 5-10-2005 Wed 0245 (BS4)
 4360.0 E10 SYN2//6930 USB 8-10-2005 Sat 1845 (JAQ)
 4445 XM Whales. VERY loud CW 12-10-2005 Wed 1854 (AB)
 4452 M13 378 288/20 CW 3-10-2005 2100 (FN)
 4454.0 S21 Call 424 very faint followed by message, sounds like
 child LSB 6-10-2005 Thu 1845 (MUK)
 4454.0 S21 only carrier, //4854 AM 11-10-2005 Tue 1842 (HFD)
 4454.0 S21 ip, very weak, //4854 AM 13-10-2005 Thu 1845 (HFD)
 4461.0 E10 FTJ 16 ?ZJZF USB 1-10-2005 Sat 0100 (BS4)
 4461.0 E10 FTJ2 USB 1-10-2005 Sat 0400 (BS4)
 4461.0 E10 FTJ USB 3-10-2005 Mon 2200 (BS4)
 4461.0 E10 FTJ2 USB 8-10-2005 Sat 0400 (BS4)
 4461.0 E10 FTJ2 USB 8-10-2005 Sat 1800 (JAQ)
 4461.0 E10 FTJ 5 NXEBO USB 14-10-2005 Fri 2130 (BS4)
 4461.0 E10 FTJ 64 HHFCS USB 18-10-2005 Tue 2300 (BS4)
 4461.0 E10 FTJ 16 JZJZF USB 19-10-2005 Wed 0100 (BS4)
 4461.0 E10 FTJ 64 HHFCS USB 20-10-2005 Thu 2300 (BS4)
 4461.0 E10 FTJ USB 21-10-2005 Fri 0300 (BS4)
 4461.0 E10 ULX2 and FTJ on one freq. The 2 IDs ended at the same
 time, then: "FTJ" 26 SOXYG USB 21-10-2005 Fri 2200
 4461.0 E10 FTJ 26 SYXIG USB 24-10-2005 Mon 2200 (BS4)
 4478.0 M08a (In progress, too weak to copy) CW 4-10-2005 Tue 1100
 4478.0 M08a ID 64222 58441 88373 (Repeat of 1000z on 9238m) CW
 22-10-2005 Sat 1100 (MS)
 4478.0 M08a ID 64223 43971 01781 CW 29-10-2005 Sat 1100 (MS)
 4478.7 E05 In progress.... USB 11-10-2005 Tue 0003 (CJC)
 4479.0 V02a Started out in AM morse but in voice traffic at 0407.
 QRM 3x final. AM 28-10-2005 Fri 0400 (ALB)
 4507.0 V02a (Again, V2a carrier up whole sked time, but no voice.
 Op probably forgot to tur AM 29-10-2005 Sat 1100 (MS)
 4542 M21 PVO id 8 CW 7-10-2005 1725 (FN)
 4542 M21 Russian Air Defense CW 25-10-2005 Tue 2024 (AB)
 4555.0 M45 555-246/32=21450 CW 6-10-2005 Thu 1802 (HFD)
 4557.7 MX Cluster beacon "D" CW 12-10-2005 Wed 2032 (AB)
 4558 MX Cluster beacon "C" CW 12-10-2005 Wed 1955 (AB)

4560.0 E10 YHF 60 ZCMSX//3840 USB 8-10-2005 Sat 0330 (BS4)
 4560.0 E10 YHF//5820 USB 9-10-2005 Sun 0230 (BS4)
 4560.0 E10 YHF 60 ZCMSX//3840 USB 15-10-2005 Sat 0330 (BS4)
 4560.0 E10 YHF in tfc//3840 USB 18-10-2005 Tue 2300 (BS4)
 4560.0 E10 YHF 60 HEUQK//5820 USB 20-10-2005 Thu 0230 (BS4)
 4560.0 E10 YHF in tfc//3840 USB 20-10-2005 Thu 2300 (BS4)
 4560.0 E10 YHF USB 22-10-2005 Sat 0330 (BS4)
 4560.0 E10 YHF//5820 USB 27-10-2005 Thu 0230 (BS4)
 4625 S28 Buzzer CW 19-10-2005 Wed 1931 (AB)
 4648.0 E10 KPA2//6370 USB 19-10-2005 Wed 0115 (BS4)
 4782.0 M10 555:872-46/37-8160 6,027-###/21=##### , CW 10-10-2005
 Mon 2100 (HFD)
 4828 MX Channel marker "P" CW 9-10-2005 1545 (FN)
 4828 MX Channel marker "P" CW 18-10-2005 1424 (AG)
 4828 MX Channel marker "P" + messages CW 19-10-2005 1528 (AG)
 4835.0 S10D 555:301-25/29=5052 8 AM 10-10-2005 Mon 0450 (HFD)
 4854.0 S21 only carrier, //4454 AM 11-10-2005 Tue 1842 (HFD)
 4854.0 S21 ip, very weak, //4454 AM 13-10-2005 Thu 1845 (HFD)
 4866.0 XWP slow fast slow AM 3-10-2005 Mon 2027 (MUK)
 4879.5 E10 USB 13-10-2005 Thu 0023 (CJC)
 4879.8 E10 ULX: ended @ 02:11 USB 12-10-2005 Wed 0002 (CJC)
 4880.0 E10 ULX 97 NJGZV USB 1-10-2005 Sat 0400 (BS4)
 4880.0 E10 ULX2//6270 USB 3-10-2005 Mon 2200 (BS4)
 4880.0 E10 ULX USB 8-10-2005 Sat 0400 (BS4)
 4880.0 E10 ULX2 USB 8-10-2005 Sat 1800 (JAQ)
 4880.0 E10 ULX USB 9-10-2005 Sun 0230 (BS4)
 4880.0 E10 ULX USB 14-10-2005 Fri 2130 (BS4)
 4880.0 E10 ULX USB 15-10-2005 Sat 0330 (BS4)
 4880.0 E10 ULX 74 KICIC USB 18-10-2005 Tue 2300 (BS4)
 4880.0 E10 ULX2 USB 21-10-2005 Fri 2230 (JS3)
 4880.0 E10 ULX2 USB 22-10-2005 Sat 0330 (BS4)
 4880.0 E10 ULX 18 CMHSF USB 27-10-2005 Thu 0230 (BS4)
 4959 M41 WZD CW 14-10-2005 1900 (FN)
 5019.0 M10e ip CW 21-10-2005 Fri 0910 (HFD)
 5020.0 M01 463 CW 11-10-2005 Tue 2000 (HFD)
 5078.0 M10 555:571-61/32=21780,275-99/41-65734, 049- CW
 10-10-2005 Mon 1630 (HFD)
 5078.0 M10 555:403-47/33=##### ,710-79/38=44052, CW 13-10-2005 Thu
 0800 (HFD)
 5082 M51 in progress CW 12-10-2005 1435 (FN)
 5082 M51 in progress CW 17-10-2005 0738 (FN)
 5091.0 E10 JSR 104 ?QR?D USB 3-10-2005 Mon 2130 (BS4)
 5091.0 E10 JSR 30 ZONLJ USB 3-10-2005 Mon 2200 (BS4)
 5091.0 E10 JSR 12 QYYGK USB 8-10-2005 Sat 0330 (BS4)
 5091.0 E10 JSR2 USB 8-10-2005 Sat 1800 (JAQ)
 5091.0 E10 JSR 58 EVNOC USB 8-10-2005 Sat 1830 (JAQ)
 5091.0 E10 JSR 100 WMNPP USB 8-10-2005 Sat 1900 (JAQ)
 5091.0 E10 JSR USB 14-10-2005 Fri 2130 (BS4)

5091.0 E10 JSR 12 QYYGK USB 15-10-2005 Sat 0330 (BS4)
5091.0 E10 JSR 12 QYYGK USB 22-10-2005 Sat 0330 (BS4)
5091.0 E10 JSR 30 ZONLJ USB 24-10-2005 Mon 2200 (BS4)
5153.7 MX Cluster beacon "D" CW 15-10-2005 2207 (SW2)
5153.9 MX Cluster beacon "S" CW 15-10-2005 2208 (SW2)
5154 MX Cluster beacon "C" CW 12-10-2005 Wed 1711 (AB)
5154 MX Cluster beacon "C" CW 15-10-2005 2209 (SW2)
5170.0 E10 VLB2//3360, 7445 USB 5-10-2005 Wed 0245 (BS4)
5170.0 E10 VLB2 USB 8-10-2005 Sat 1845 (JAQ)
5173 M13 378 288/20 CW 2-10-2005 0300 (FN)
5173.0 M13 378 (R5) BT 288 20 BT CW 2-10-2005 Sun 0300 (MS)
5178 M42 Russian intel service, auto broadcasting 5 figure
group msg to recipient "891" AM/16-tone MFSK/20Bd
18-10-2005 2040 (LD0)
5201 M21 PVO id 0 CW 1-10-2005 2005 (FN)
5201 M21 Russian Air Defense CW 25-10-2005 Tue 2027 (AB)
5206.0 G06 308:0 AM 3-10-2005 Mon 2000 (HFD)
5216.0 E07 721:1-108/52=15837 AM 6-10-2005 Thu 2050 (HFD)
5229.7 E10 SYN2 USB 12-10-2005 Wed 0001 (CJC)
5230.0 E10 SYN2//3557, 6930 USB 5-10-2005 Wed 0245 (BS4)
5230.0 E10 CI02//4165 USB 8-10-2005 Sat 1845 (JAQ)
5301.0 M10 555:738-12/39=##704,328-51/24=17053, CW 10-10-2005 Mon
0450 (HFD)
5301.0 S17C 64048, //8190 AM 1-10-2005 Sat 1250 (HFD)
5301.0 S17C 62028, //8190 AM 2-10-2005 Sun 1250 (HFD)
5301.0 S17C 77029, //8190 AM 3-10-2005 Mon 1250 (HFD)
5301.0 S17c 555 555 555 313 313 313 05 42 42 05 05 pozor pozor
77029 (repeated) pozor pozor USB 3-10-2005 Mon 1250
5301.0 S17C 79030, //8190 AM 5-10-2005 Wed 1250 (HFD)
5301.0 S17C 69028, //8190 AM 10-10-2005 Mon 1250 (HFD)
5301.0 S17C 70027, //8190 AM 11-10-2005 Tue 1250 (HFD)
5301.0 S17C 29068, //8190 AM 12-10-2005 Wed 1250 (HFD)
5301.0 S17C 72035, //8190 AM 14-10-2005 Fri 1250 (HFD)
5301.0 S17C 69032, //8190 AM 19-10-2005 Wed 1250 (HFD)
5301.0 S17C 78035, //8190 AM 20-10-2005 Thu 1250 (HFD)
5301.0 S17C 73030, //8190 AM 21-10-2005 Fri 1250 (HFD)
5301.0 S17C 70031, //8190 AM 22-10-2005 Sat 1250 (HFD)
5301.0 S17C 71025, //8190 AM 23-10-2005 Sun 1250 (HFD)
5301.0 S17C 90028, //8190 AM 25-10-2005 Tue 1250 (HFD)
5301.0 S17C 56026, //8190 AM 26-10-2005 Wed 1250 (HFD)
5301.0 S17C 79036, //8190 AM 27-10-2005 Thu 1250 (HFD)
5301.0 S17C 79035, //8190 AM 28-10-2005 Fri 1250 (HFD)
5339.0 E10 CI02//4360 USB 5-10-2005 Wed 0245 (BS4)
5413 M13 411 278/20 CW 1-10-2005 0430 (FN)
5413 M13 411 278/20 CW 2-10-2005 0430 (FN)
5413 M13 411 278/20 CW 2-10-2005 2030 (FN)
5413 M13 411 278/20 CW 16-10-2005 2030 (FN)
5417.0 V02a A10002 85--- 56-2-. Under QRM. Rushed 1 and 0. 3x

final. USB 28-10-2005 Fri 0200 (ALB)
 5434.7 E10a ART2 USB 13-10-2005 Thu 0022 (CJC)
 5435.0 E10 ART in tfc//6986 USB 1-10-2005 Sat 0400 (BS4)
 5435.0 E10 In progress USB 2-10-2005 Sun 1938 (MUK)
 5435.0 E10 In progress USB 3-10-2005 Mon 2017 (MUK)
 5435.0 E10 ART USB 3-10-2005 Mon 2200 (BS4)
 5435.0 E10 ART 17 HZJZF//3415 USB 5-10-2005 Wed 0130 (BS4)
 5435.0 E10 ART 162 PXUWI//6986 USB 8-10-2005 Sat 0400 (BS4)
 5435.0 E10 ART2 USB 8-10-2005 Sat 1800 (JAQ)
 5435.0 E10 ART2 USB 8-10-2005 Sat 1830 (JAQ)
 5435.0 E10 ART2 USB 8-10-2005 Sat 1900 (JAQ)
 5435.0 E10 ART2 USB 9-10-2005 Sun 2100 (BS4)
 5435.0 E10 ART 10 ????? USB 18-10-2005 Tue 2300 (BS4)
 5435.0 E10 ART 17 HZJZF//3415 USB 19-10-2005 Wed 0130 (BS4)
 5435.0 E10 ART 10 LLACV USB 20-10-2005 Thu 2300 (BS4)
 5435.0 E10 ART2 USB 21-10-2005 Fri 0300 (BS4)
 5435.0 E10 ART2 USB 24-10-2005 Mon 2200 (BS4)
 5437.0 E10 ART 34 Q00LZ, normally on 5435 KHz USB 3-10-2005 Mon
 0030 (BS4)
 5440.0 E06 ip AM 31-10-2005 Mon 1945 (HFD)
 5442.0 G06 947-286/45=17920 AM 14-10-2005 Fri 1930 (HFD)
 5443.0 M01B 271-142/33=72120 CW 14-10-2005 Fri 2102 (HFD)
 5465.8 MX Channel marker "R" CW 19-10-2005 Wed 1925 (AB)
 5465.8 MX Channel marker "R" CW 22-10-2005 1655 (RGA)
 5474.0 M01 463-245/30=85622 CW 6-10-2005 Thu 1800 (HFD)
 5727 M89 v T3AP T3AP T3AP de QF3k QF3K QF3K CW 3-10-2005 1815
 (FN)
 5737.0 M01B 302 CW 27-10-2005 Thu 2032 (HFD)
 5746.0 E03 62594//ARC190//Halifax, Nova Scotia USB 6-10-2005 Thu
 2100 (GS)
 5746.0 E17 USB 26-10-2005 Wed 1925 (GGA)
 5760.0 S06 374-#72/6=85473 AM 11-10-2005 Tue 0700 (HFD)
 5820.0 E10 YHF in tfc//3840 USB 1-10-2005 Sat 0400 (BS4)
 5820.0 E10 YHF2 USB 3-10-2005 Mon 2130 (BS4)
 5820.0 E10 YHF 35 PFU?G USB 3-10-2005 Mon 2200 (BS4)
 5820.0 E10 YHF 12 TGWDH//7918 USB 5-10-2005 Wed 0130 (BS4)
 5820.0 E10 YHF 13 AWTBI//3840 USB 8-10-2005 Sat 0400 (BS4)
 5820.0 E10 YHF2 USB 8-10-2005 Sat 1800 (JAQ)
 5820.0 E10 YHF//4560 USB 9-10-2005 Sun 0230 (BS4)
 5820.0 E10 YHF ?3 ??YQL USB 9-10-2005 Sun 2100 (BS4)
 5820.0 E10 YHF2 USB 9-10-2005 Sun 2130 (BS4)
 5820.0 E10 YHF2 USB 14-10-2005 Fri 2130 (BS4)
 5820.0 E10 YHF 12 TGWDH//7918 USB 19-10-2005 Wed 0130 (BS4)
 5820.0 E10 YHF 60 HEUQK//4560 USB 20-10-2005 Thu 0230 (BS4)
 5820.0 E10 YHF USB 24-10-2005 Mon 2200 (BS4)
 5820.0 E10 YHF //4560 USB 27-10-2005 Thu 0230 (BS4)
 5873 M21 PVO id 8 CW 7-10-2005 1740 (FN)
 5876 M13 767 299/30 CW 2-10-2005 0230 (FN)

5876.0 M13d 767 (R5) BT 299 //here signal fades out// CW 2-10-2005
 Sun 0230 (MS)
 5885 M51 in progress CW 3-10-2005 0805 (FN)
 5885 M51 in progress CW 17-10-2005 0738 (FN)
 5917.0 M10 , //9166 CW 12-10-2005 Wed 1700 (HFD)
 5917.0 M10 completely blocked by BC stn CW 13-10-2005 Thu 1700
 5934.0 G06 579-#64/45=17920 AM 13-10-2005 Thu 1830 (HFD)
 5945.0 M10 555:557=54/19=65118,134=94/26=78401, CW 10-10-2005 Mon
 1140 (HFD)
 5945.0 M10 555:901-66/18=81074,422-73/26=26650 CW 19-10-2005 Wed
 1340 (HFD)
 5982 MX Channel marker "P" + messages CW 19-10-2005 1528 (AG)
 5982 MX Channel marker "P" CW 19-10-2005 1613 (AG)
 6208 M13 572 254/21 CW 19-10-2005 0600 (FN)
 6250.0 XSL Japanese PSK modem USB 10-10-2005 Mon 1522 (RAC)
 6250.0 XSL USB 22-10-2005 Sat 1525 (RAC)
 6261.0 M01 463-791/30=84428 CW 8-10-2005 Sat 1500 (HFD)
 6270.0 E10 ULX 110 AYXSf//7760 USB 1-10-2005 Sat 0100 (BS4)
 6270.0 E10 ULX2//4880 USB 3-10-2005 Mon 2200 (BS4)
 6270.0 E10 ULX2 USB 6-10-2005 Thu 2200 (BS4)
 6270.0 E10 ULX 43 XOZRJ USB 8-10-2005 Sat 1830 (JAQ)
 6270.0 E10 ULX 74 KICIC USB 10-10-2005 Mon 2300 (BS4)
 6270.0 E10 ULX 110 AYXSf//7760 USB 19-10-2005 Wed 0100 (BS4)
 6270.0 E10 ULX2 USB 24-10-2005 Mon 2200 (BS4)
 6270.0 E10 ULX2 USB 26-10-2005 Wed 2030 (BS4)
 6306 M13 261 297/21 CW 17-10-2005 1900 (FN)
 6306 M13 261 297/21 CW 17-10-2005 2000 (FN)
 6340.0 S06 934:0 AM 21-10-2005 Fri 0600 (HFD)
 6358.0 M13 (In progress - caught last 16 groups of message and "0
 0" ending. Probably "4 CW 19-10-2005 Wed 2241 (MS)
 6358.0 M13 474 (R5) BT 253 22 BT CW 20-10-2005 Thu 2230 (MS)
 6370 E10 KPA 79 AM 2-10-2005 1910 (AB)
 6370.0 E10 KPA2 USB 3-10-2005 Mon 2012 (MUK)
 6370.0 E10 KPA2 USB 8-10-2005 Sat 1815 (JAQ)
 6370.0 E10 KPA2//4648 USB 19-10-2005 Wed 0115 (BS4)
 6445 M13 284 000 CW 10-10-2005 0300 (FN)
 6445.0 XSL Idling?? USB 8-10-2005 Sat 1540 (RAC)
 6445.0 XSL Idling?? USB 8-10-2005 Sat 1540 (RAC)
 6445.0 XSL Japanese PSK modem USB 10-10-2005 Mon 1522 (RAC)
 6445.0 XSL Slot Machine USB 22-10-2005 Sat 1525 (RAC)
 6485 E03 LP USB 22-10-2005 1938 (RGA)
 6485.0 E03 13876//ARC190//LI Sound USB 19-10-2005 Wed 1900 (GS)
 6498.0 E10 PCD2 USB 9-10-2005 Sun 2130 (BS4)
 6498.0 E10 PCD2 USB 15-10-2005 Sat 0330 (BS4)
 6498.0 E10 PCD2 USB 22-10-2005 Sat 0330 (BS4)
 6724 M13 284 253/23 CW 7-10-2005 2000 (FN)
 6724 M13 284 253/23 CW 8-10-2005 2000 (FN)
 6724.0 M13 284 (R5) (Had to drop as too weak to copy) CW

7-10-2005 Fri 2000 (MS)

6724.0 M13 284 (R5) BT 253 23 BT CW 21-10-2005 Fri 2000 (MS)

6758.0 M10 555:403-47/33=48393,710-79/38=94052, CW 12-10-2005 Wed 1900 (HFD)

6768.0 V02a AM 31-10-2005 Mon 0405 (ALB)

6780 M42 Dept. of State Comms Moscow. 5FGs offline crypto to "URG" on link 00102 Baudot 50/500 30-10-2005 1312

6787 M51 in progress CW 6-10-2005 1545 (FN)

6787 M51 in progress CW 11-10-2005 1330 (FN)

6787 M51 in progress CW 14-10-2005 1435 (FN)

6840.0 E10 EZI 64 PLCWA USB 8-10-2005 Sat 1800 (JAQ)

6840.0 E10 EZI 87 OQVPY USB 9-10-2005 Sun 0230 (BS4)

6840.0 E10 EZI2//9130 USB 15-10-2005 Sat 0330 (BS4)

6840.0 E10 EZI2//9130 USB 19-10-2005 Wed 0100 (BS4)

6840.0 E10 EZI2 USB 19-10-2005 Wed 0130 (BS4)

6840.0 E10 EZI 92 FULGD, 20 YCVEC USB 20-10-2005 Thu 0230 (BS4)

6840.0 E10 EZI2//9130 USB 22-10-2005 Sat 0330 (BS4)

6840.0 E10 EZI //9130 USB 24-10-2005 Mon 2200 (BS4)

6840.0 E10 EZI 87 PLNFH, ?? ?????//9130 AM 26-10-2005 Wed 2030 (BS4)

6840.0 E10 EZI//9130 USB 27-10-2005 Thu 0230 (BS4)

6854.0 M08a ID 76671 17612 25412 CW 20-10-2005 Thu 2200 (MS)

6854.0 M08a ID 76674 17615 25415 (Repeat of 2100z on 6933m) CW 26-10-2005 Wed 2200 (MS)

6855.0 V02a A93233 27173 94793 (YL/SS - Repeat of 2000z on 7887m) AM 2-10-2005 Sun 2100 (MS)

6855.0 V02a A02554 21964 94644 (YL/SS - Repeat of 2000z on 7887m) AM 7-10-2005 Fri 2100 (MS)

6855.0 V02a (In progress, no calls - YL/SS) AM 9-10-2005 Sun 2118

6855.0 V02a A55653 64083 85623 (YL/SS)(Repeat of 2000z on 7887m) AM 10-10-2005 Mon 2100 (MS)

6855.0 V02a A88833 87963 64013 (YL/SS - Repeat of 2000z on 7887m) AM 19-10-2005 Wed 2100 (MS)

6855.0 V02a A39251 67881 54711 (YL/SS) (Repeat of 2000z on 7887m) AM 20-10-2005 Thu 2100 (MS)

6855.0 V02a A39255 67885 54715 (YL/SS, Repeat of 2000z on 7887m) AM 26-10-2005 Wed 2100 (MS)

6855.0 V02a A39256 67886 54716 (YL/SS, Repeat of 2000z on 7887m) AM 27-10-2005 Thu 2100 (MS)

6855.0 V02a A39257 67887 54717 (YL/SS, Repeat of 2000z on 7887m) AM 28-10-2005 Fri 2100 (MS)

6855.0 V02a A39258 67888 54718. Weak w/QRM. 3x final. AM 29-10-2005 Sat 2100 (ALB)

6855.0 V02a A39258 67888 54718 (YL/SS)(Repeat of 2000z on 7887m) AM 29-10-2005 Sat 2100 (MS)

6855.0 V02a A39259 67889 54719 (YL/SS) AM 30-10-2005 Sun 2100 (MS)

6855.0 V02a A39259 67889 54719. Weak and noisy. 3x final. AM 30-10-2005 Sun 2100 (ALB)

6855.0 V02a A41881 10191 94761 (YL/SS, Repeat of 2000z on 7887m)
AM 31-10-2005 Mon 2100 (MS)
6865.0 G06 308:0 AM 3-10-2005 Mon 1900 (HFD)
6881.5 M21 PVO id 0 CW 10-10-2005 1523 (FN)
6887 M13 387 260/22 CW 10-10-2005 2000 (FN)
6887 M13 387 000 CW 11-10-2005 2000 (FN)
6887.0 M13a 387 (R5) (Just too weak to copy. Believe 0 0 0 is
being sent in callup, but not CW 24-10-2005 Mon 2000
6896 M51 in progress CW 11-10-2005 1410 (FN)
6912.0 E10 MIW2 USB 5-10-2005 Wed 2019 (MUK)
6912.0 E10 MIW2 USB 8-10-2005 Sat 1815 (JAQ)
6912.0 E10 Calling "MIW2" YL/EE - No further traffic. USB
9-10-2005 Sun 0019 (NS)
6912.0 E10 MIW2 USB 19-10-2005 Wed 0115 (BS4)
6922.0 M13 254 (R5) BT 263 21 BT CW 19-10-2005 Wed 2100 (MS)
6922.0 M13 254 (R5) BT 263 21 BT CW 20-10-2005 Thu 2100 (MS)
6924 M13 254 263 QRM CW 6-10-2005 2100 (FN)
6926.0 E07 Call 721 108/52 AM 5-10-2005 Wed 2030 (MUK)
6926.0 E07 721:0 AM 27-10-2005 Thu 2030 (HFD)
6930.0 E10 SYN2//3557, 5230 USB 5-10-2005 Wed 0245 (BS4)
6930.0 E10 SYN2//4360 USB 8-10-2005 Sat 1845 (JAQ)
6930.0 E10 SYN2 USB 15-10-2005 Sat 0130 (DM)
6930.0 E10 ULX 110 AYYSF, far off freq, rf used by xx15Zand xx45Z
stations USB 19-10-2005 Wed 0115 (BS4)
6933 M13 679 270/21 CW 11-10-2005 1300 (FN)
6933.0 M08a ID 76674 17615 25415 CW 26-10-2005 Wed 2100 (MS)
6945.0 S10D Clearly heard and recorded ending "Pozor, Pozor,
..... Konec, Konec". AM 5-10-2005 Wed 0205 (RAC)
6950.0 E06 731:0 AM 19-10-2005 Wed 2100 (HFD)
6956.0 E06 731:0 AM 5-10-2005 Wed 2100 (HFD)
6959 E03 LP. Id 11364 USB 3-10-2005 Mon 2000 (AB)
6959.0 E03 in progress USB 5-10-2005 Wed 2013 (MUK)
6959.0 E03 49794//ARC190//St Pierre, France USB 6-10-2005 Thu
2000 (GS)
6959.0 E03 62594//ARC190//Halifax, Nova Scotia USB 6-10-2005 Thu
2100 (GS)
6968.0 E07 892:0 AM 12-10-2005 Wed 2020 (HFD)
6975 M13 417 QRM CW 9-10-2005 1900 (FN)
6975 M13 417 253/22 CW 10-10-2005 1900 (FN)
6975.0 M13 417 (R5) BT 253 22 BT CW 10-10-2005 Mon 1900 (MS)
6980.0 E06 ip AM 31-10-2005 Mon 1907 (HFD)
6986.0 E10 ART in tfc//5435 USB 1-10-2005 Sat 0400 (BS4)
6986.0 E10 In progress USB 5-10-2005 Wed 1936 (MUK)
6986.0 E10 ART 162 PXUWI//5435 USB 8-10-2005 Sat 0400 (BS4)
6986.0 E10 ART 37 CWGPI USB 17-10-2005 Mon 1930 (BS4)
7038.7 MX SLHFB "D" CW 6-10-2005 Thu 0200 (RAC)
7038.7 MX SLHFB "D" Odessa CW 12-10-2005 Wed 0200 (RAC)
7038.7 MX Cluster beacon "D" CW 12-10-2005 Wed 1448 (AB)

7038.7 MX SLHFB "D" Odessa USB 16-10-2005 Sun 0215 (RAC)
7038.9 MX SLHFB "S" CW 6-10-2005 Thu 0230 (RAC)
7038.9 MX Arkhangelsk "S" SLHFB CW 12-10-2005 Wed 0240 (RAC)
7038.9 MX Cluster beacon "S" CW 12-10-2005 Wed 1448 (AB)
7038.9 MX SLHFB "S" Arkhangelsk USB 16-10-2005 Sun 0215 (RAC)
7038.9 MX SLHFB "S" Arkhangelsk CW 21-10-2005 Fri 1517 (RAC)
7039 MX Cluster beacon "C" CW 12-10-2005 Wed 1448 (AB)
7039.1 MX Cluster beacon "A" CW 11-10-2005 (SMCA)
7039.1 MX SLHFB "A" cycle and rate different from other
beacons in the cluster. Recordi CW 12-10-2005 Wed 0200
7039.1 MX Cluster beacon "A" CW 12-10-2005 Wed 1919 (AB)
7039.1 MX Cluster beacon "A" CW 19-10-2005 Wed 1921 (AB)
7039.1 MX SLHFB "A" Location?? CW 21-10-2005 Fri 1521 (RAC)
7039.2 MX SLHFB "F", Vladivostok USB 16-10-2005 Sun 1430 (RAC)
7039.3 MX SLHFB "K", Petropavlovsk Kamchatskiy USB 16-10-2005
Sun 1430 (RAC)
7064 M89 V CP17 CP17 CP17 de L9CC L9CC CW 12-10-2005
7073.3 M89 V CP17 CP17 CP17 de L9CC L9CC CW 12-10-2005
7077.8 M89 V CP17 CP17 CP17 de L9CC L9CC CW 12-10-2005
7320.0 S06 418 AM 11-10-2005 Tue 0800 (HFD)
7337.0 E03 45538//ARC190//Marthas Vineyard USB 6-10-2005 Thu 2200
(GS)
7426.0 M13 272 (R5) BT 297 21 BT CW 18-10-2005 Tue 2100 (MS)
7436 M51 in progress CW 4-10-2005 1500 (FN)
7436 M51 in progress CW 11-10-2005 1410 (FN)
7445.0 E10 VLB2//3360, 5170 USB 5-10-2005 Wed 0245 (BS4)
7445.0 E10 Weak but readable USB 10-10-2005 Mon 0146 (RAC)
7482.0 V02a No call by 0903. In traffic at 0925. Finished before
0942. "cinco" rushed a l AM 19-10-2005 Wed 0900
7519.0 M08a ID 13063 67043 62903 CW 7-10-2005 Fri 2200 (MS)
7519.0 M08a ID ----- 67044 62904 (Late start) CW 10-10-2005 Mon
2200 (MS)
7519.0 M08a ID 22751 08931 90781 CW 14-10-2005 Fri 2200 (MS)
7519.0 M08a ID 61171 07312 71502 CW 17-10-2005 Mon 2200 (MS)
7519.0 M08a ID 45921 14671 54741 CW 19-10-2005 Wed 2200 (MS)
7519.0 M08a ID 45925 14675 54745 (Note: the 2300z repeat on 8009m
did not show up today) CW 26-10-2005 Wed 2200 (MS)
7519.0 M08a ID 45927 14677 54747 CW 28-10-2005 Fri 2200 (MS)
7520.0 V02a (Blocked by commercial AM station. YL/SS) AM
4-10-2005 Tue 0900 (MS)
7527.0 V02a Missed callup. Some variable QRN. 3x Final AM
13-10-2005 Thu 0905 (ALB)
7527.0 V02a 87804-34864-21164 Barely audible due to heavy QRM from
world harvest radio opera AM 27-10-2005 Thu 0900
7540.0 E10 JSR 53 YOBAR USB 9-10-2005 Sun 2030 (BS4)
7540.0 E10 JSR 21 MKDAH USB 26-10-2005 Wed 2030 (BS4)
7555 M08a in progress CW 31-10-2005 0815 (Vambo)
7555.0 M08a in progress good levels CW 31-10-2005 Mon 0008

7583.0 V02a (Late start, no callups) (YL/SS) AM 3-10-2005 Mon 1000
7663.0 E11 232 oblique 00 USB 6-10-2005 Thu 0800 (MUK)
7663.0 E11 232/00 AM 13-10-2005 Thu 0800 (HFD)
7663.0 E11 Calling "232/00" Rock solid signal USB 27-10-2005 Thu 0800 (Red)
7680.0 M08a ID 14-03 ----- (In progress, very weak signal) CW 3-10-2005 Mon 1900 (MS)
7680.0 M08a ID 14003 60701 18411 (Possible repeat of 1900z on 7680m) CW 3-10-2005 Mon 2000 (MS)
7680.0 M08a ID 17663 56981 82231 CW 19-10-2005 Wed 1900 (MS)
7680.0 M08a (In progress, very weak) (Went silent at 2005z) CW 21-10-2005 Fri 2000 (MS)
7680.0 M08a (Too weak for copy.) CW 26-10-2005 Wed 1900 (MS)
7681.0 V02a A57371 08001 91681 (YL/SS) AM 3-10-2005 Mon 1000 (MS)
7681.0 V02a A 43466 34861 21161. Some variable QRN. AM 13-10-2005 Thu 1000 (ALB)
7681.0 V02a Rpt of 0900 tx, 87804-34864-21164 Rock solid signal, right before signoff.. some AM 27-10-2005 Thu 0945
7681.0 V02a Missed call up. V2a on former V2c schedule. AM 27-10-2005 Thu 1034 (MT2)
7740 M13 365 253/21 CW 13-10-2005 1500 (FN)
7740 M13 365 253/21 CW 13-10-2005 1700 (FN)
7740 M13 365 253/21 CW 14-10-2005 1500 (FN)
7745.0 M10 555:571-61/32=21780,275-99/41-65734, 049- CW 10-10-2005 Mon 1630 (HFD)
7760.0 E10 ULX 110 AYXSf//6270 USB 1-10-2005 Sat 0100 (BS4)
7760.0 E10 ULX 110 AYXSf//6270 USB 19-10-2005 Wed 0100 (BS4)
7862.0 V02a In progress at 0959. A 09903 82551 13561. "cinco" rushed. 3x final. AM 19-10-2005 Wed 1000 (ALB)
7874.0 E07 892 892 892 000 AM 3-10-2005 Mon 2000 (MUK)
7874.0 E07 892:0 AM 19-10-2005 Wed 2000 (HFD)
7887.0 V02a A93232 27172 94792 (YL/SS - Previous V2c freq.) AM 1-10-2005 Sat 2000 (MS)
7887.0 V02a A93232 27172 94792 (YL/SS - Previous V2c freq. Repeat of 2000z on 7887m. Shoul AM 1-10-2005 Sat 2100 (MS)
7887.0 V02a A93233 27173 94793 (YL/SS) AM 2-10-2005 Sun 2000 (MS)
7887.0 V02a A93234 27174 94794 (YL/SS) AM 3-10-2005 Mon 2000 (MS)
7887.0 V02a A----- 21964 94644 (YL/SS - Sked up late and in traffic at 2005z) AM 7-10-2005 Fri 2000 (MS)
7887.0 V02a A55653 64083 85623 (YL/SS) AM 10-10-2005 Mon 2000 (MS)
7887.0 V02a A88833 87963 64013 (YL/SS) AM 19-10-2005 Wed 2000 (MS)
7887.0 V02a A39251 67881 54711 (YL/SS) AM 20-10-2005 Thu 2000 (MS)
7887.0 V02a A39252 67882 54712 (YL/SS) AM 21-10-2005 Fri 2000 (MS)
7887.0 V02a A----- 67885 54715 (YL/SS, Late start) AM 26-10-2005 Wed 2000 (MS)
7887.0 V02a A39256 67886 54716 (YL/SS) AM 27-10-2005 Thu 2000 (MS)
7887.0 V02a A39257 67887 54717 (YL/SS) AM 28-10-2005 Fri 2000 (MS)
7887.0 V02a A39083 39413 02603 (YL/SS) AM 29-10-2005 Sat 0900 (MS)

7887.0 V02a A39083 39413 02603. Loud and clear, some QRM. AM
29-10-2005 Sat 0900 (ALB)
7887.0 V02a A39258 67888 54718 (YL/SS) AM 29-10-2005 Sat 2000 (MS)
7887.0 V02a A41881 10191 94761 (YL/SS) AM 31-10-2005 Mon 2000 (MS)
7918.0 E10 YHF 12 TGWDH//5820 USB 5-10-2005 Wed 0130 (BS4)
7918.0 E10 YHF 12 TGWDH//5820 USB 19-10-2005 Wed 0130 (BS4)
7975.0 V02a (Late start - no callups - YL/SS) AM 2-10-2005 Sun
7975.0 V02a A39081 39411 02601 (YL/SS) AM 22-10-2005 Sat 1000 (MS)
7975.0 V02a A----- 39412 02602 (In progress, YL/SS) AM 23-10-2005
Sun 1000 (MS)
7975.0 V02a (YL/SS, Too weak for copy) AM 23-10-2005 Sun 1600 (MS)
7975.0 V02a A39083 39413 02603 (YL/SS)(Repeat of 0900z on 7887m)
AM 29-10-2005 Sat 1000 (MS)
7975.0 V02a A84305 73605 24685 (YL/SS) AM 29-10-2005 Sat 1600 (MS)
8009.0 M08a ID 95872 14532 82232 CW 3-10-2005 Mon 2300 (MS)
8009.0 M08a ID 13064 67044 62904 (Repeat of 2200z on 7519m) CW
10-10-2005 Mon 2300 (MS)
8009.0 M08a ID 80342 36772 33762 CW 12-10-2005 Wed 2300 (MS)
8009.0 M08a ID 17663 56981 82231 (Repeat of 1900z on 7680m) CW
19-10-2005 Wed 2000 (MS)
8009.0 M08a ID 45921 14671 54741 (Repeat of 2200z on 7519m) CW
19-10-2005 Wed 2300 (MS)
8009.0 M08a (In progress, very weak. Probably sked that was on
7680m.) ID ----- 56982 82232 CW 21-10-2005 Fri 2007
8009.0 M08a ID 18892 56983 82233 (Very weak signal. Had to dig
for this one!) CW 26-10-2005 Wed 2000 (MS)
8009.0 M08a ID 77841 56985 82235 CW 31-10-2005 Mon 2000 (MS)
8009.0 M08a ID 88761 73931 02131 CW 31-10-2005 Mon 2300 (MS)
8010.0 V02 AM 19-10-2005 Wed 0006 (LPO)
8010.0 V02a (In progress. Was prior V2c sked freq and time) AM
20-10-2005 Thu 1738 (MS)
8010.0 V02a (Already in progress) ----- 71822 ----- (YL/SS) AM
21-10-2005 Fri 1700 (MS)
8010.0 V02a (Already in progress) ----- 71822 ----- (YL/SS) AM
21-10-2005 Fri 1700 (MS)
8010.0 V02a A80892 04093 79423. Under heavy QRM. AM 26-10-2005
Wed 0600 (ALB)
8010.0 V02a A84305 73605 24685 (YL/SS)(Repeat of 1600z on 7975m)
AM 29-10-2005 Sat 1700 (MS)
8077.0 E07 AM 6-10-2005 Thu 2015 (MUK)
8077.0 E07 721:1-108/52=15800 AM 13-10-2005 Thu 2010 (HFD)
8077.0 E07 721:0 AM 27-10-2005 Thu 2010 (HFD)
8095.0 V02a AM 16-10-2005 Sun 0019 (CJC)
8097.0 V02a A----- 25452 72853 (YL/SS - Late start) AM 1-10-2005
Sat 0600 (MS)
8097.0 V02a A45202 71412 15092 (YL/SS - Previous V2c freq.) AM
1-10-2005 Sat 1800 (MS)
8097.0 V02a A45202 71412 15092 (YL/SS - Previous V2c freq. Repeat

of 1800z on 8097m) AM 1-10-2005 Sat 1900 (MS)
 8097.0 V02a A45204 71414 15094 AM 3-10-2005 Mon 1900 (MS)
 8097.0 V02a A45404 86964 89814 (YL/SS) AM 7-10-2005 Fri 1900 (MS)
 8097.0 V02a A----- 48941 (YL/SS)(In progress) AM 8-10-2005
 Sat 0600 (MS)
 8097.0 V02a (In progress, no calls. YL/SS) AM 10-10-2005 Mon 1900
 8097.0 V02a A44073 10283 49523 AM 19-10-2005 Wed 1900 (MS)
 8097.0 V02a Under very heavy QRM/N. First picked up at 0512.
 Fast "cinco" AM 20-10-2005 Thu 0512 (ALB)
 8097.0 V02a Carrier up at 0602. I.P. at 0608 in traffic. Heavy
 QRM/N. 3x final. AM 20-10-2005 Thu 0608 (ALB)
 8097.0 V02a A77581 13801 15361 (YL/SS) AM 20-10-2005 Thu 1800 (MS)
 8097.0 V02a A77581 13801 15361 (YL/SS) (Repeat of 1800z on 8097m)
 AM 20-10-2005 Thu 1900 (MS)
 8097.0 V02a A77585 13802 15362 (YL/SS) AM 21-10-2005 Fri 1800 (MS)
 8097.0 V02a AM 21-10-2005 Fri 1800 (MS)
 8097.0 V02a A77585 13802 15362 (YL/SS)(Repeat of 1800z on 8097m)
 AM 21-10-2005 Fri 1900 (MS)
 8097.0 V02a A13253 08363 30093 (YL/SS) AM 26-10-2005 Wed 1900 (MS)
 8097.0 V02a A13254 08364 30094 (YL/SS) AM 27-10-2005 Thu 1900 (MS)
 8097.0 V02a A13255 08365 30095 (YL/SS) AM 28-10-2005 Fri 1900 (MS)
 8097.0 V02a A13256 08366 30096 (YL/SS) AM 29-10-2005 Sat 1800 (MS)
 8097.0 V02a A13256 08366 30096 (YL/SS)(Repeat of 1800z on 8097m)
 AM 29-10-2005 Sat 1900 (MS)
 8097.0 V02a Very noisy, uncopiable. Rushed numbers. AM 29-10-2005
 Sat 1900 (ALB)
 8097.0 V02a A13257 08367 30097 (YL/SS) AM 30-10-2005 Sun 1900 (MS)
 8123 E07 441 1 170 106 and 176 106 AM 26-10-2005 1740 (MUK)
 8123.0 E07 In progress AM 2-10-2005 Sun 1745 (MUK)
 8123.0 E07 441 441 441 1 615/143 6930 67179 45710 QRM from
 Scottish fishermen AM 5-10-2005 Wed 1740 (MUK)
 8128 M51 in progress CW 3-10-2005 1545 (FN)
 8128 M51 in progress CW 17-10-2005 1515 (FN)
 8135.0 M08a ID 13063 67043 62903 (Repeat of 2200z on 7519m) CW
 7-10-2005 Fri 2300 (MS)
 8135.0 M08a ID 80341 36771 33761 CW 11-10-2005 Tue 2300 (MS)
 8135.0 M08a ID 80343 36773 33763 CW 13-10-2005 Thu 2300 (MS)
 8135.0 M08a ID 22751 08931 90781 (Repeat of 2200z on 7519m) CW
 14-10-2005 Fri 2300 (MS)
 8135.0 M08a (Late start and very weak. No callups) CW 20-10-2005
 Thu 2300 (MS)
 8135.0 M08a ID 45927 14677 54747 (Repeat of 2200z on 7519m) CW
 28-10-2005 Fri 2300 (MS)
 8136.0 M08a ID ----- 58841 08931 (Another M8a brdcstng on same
 freq at same time) CW 2-10-2005 Sun 1000 (MS)
 8136.0 M08a ID ----- 75562 58344 (Another M8a brdcstng on same
 freq at same time) CW 2-10-2005 Sun 1000 (MS)
 8136.0 M08a ID ----- 52212 CW 3-10-2005 Mon 0712 (MS)

8136.0 M08a ID 32253 32353 22523 CW 23-10-2005 Sun 1000 (MS)
8136.0 M08a ID ----- 00234 34913 (In progress) CW 28-10-2005 Fri 0700 (MS)
8136.0 M08a ID ----- 47133 ----- (In progress) CW 30-10-2005 Sun 1000 (MS)
8143.0 M10 555:396-72/38=39114,668-16/37=53127, CW 12-10-2005 Wed 1200 (HFD)
8155 M13 458 153/19 CW 10-10-2005 0330 (FN)
8186.0 M08a ID ----- 49253 44823 CW 8-10-2005 Sat 0700 (MS)
8186.0 M08a ID 93583 00231 34911 CW 22-10-2005 Sat 0700 (MS)
8186.0 M08a ID ----- 00233 34913 (The transmission was garbled to begin with, at 0705z the b CW 27-10-2005 Thu 0700 (MS)
8188.0 E23 in progress with good signal USB 6-10-2005 Thu 1200
8190.0 M10 555:738-12/39=###704,328-51/24=17053, CW 10-10-2005 Mon 0450 (HFD)
8190.0 M10 555:403-47/33=#####710-79/38=44052, CW 13-10-2005 Thu 0800 (HFD)
8190.0 M10 555:172-###/14=#####648-###/32=##### CW 20-10-2005 Thu 1940 (HFD)
8190.0 S17C 64048, //5301 AM 1-10-2005 Sat 1250 (HFD)
8190.0 S17C 62028, //5301 AM 2-10-2005 Sun 1250 (HFD)
8190.0 S17C 77029, //5301 AM 3-10-2005 Mon 1250 (HFD)
8190.0 S17c 79030 carrier up until 13:55 TX noted on 5301 but weak USB 5-10-2005 Wed 1250 (MUK)
8190.0 S17C 79030, //5301 AM 5-10-2005 Wed 1250 (HFD)
8190.0 S17C 69028, //5301 AM 10-10-2005 Mon 1250 (HFD)
8190.0 S17C 70027, //5301 AM 11-10-2005 Tue 1250 (HFD)
8190.0 S17C 29068, //5301 AM 12-10-2005 Wed 1250 (HFD)
8190.0 S17C 72035, //5301 AM 14-10-2005 Fri 1250 (HFD)
8190.0 S17C 69032, //5301 AM 19-10-2005 Wed 1250 (HFD)
8190.0 S17C 78035, //5301 AM 20-10-2005 Thu 1250 (HFD)
8190.0 S17C 73030, //5301 AM 21-10-2005 Fri 1250 (HFD)
8190.0 S17C 70031, //5301 AM 22-10-2005 Sat 1250 (HFD)
8190.0 S17C 71025, //5301 AM 23-10-2005 Sun 1250 (HFD)
8190.0 S17C 90028, //5301 AM 25-10-2005 Tue 1250 (HFD)
8190.0 S17C 56026, //5301 AM 26-10-2005 Wed 1250 (HFD)
8190.0 S17C 79036, //5301 AM 27-10-2005 Thu 1250 (HFD)
8190.0 S17C 79035, //5301 AM 28-10-2005 Fri 1250 (HFD)
8437.8 M89 V T3AP T3AP T3AP de QF3k QF3K CW 14-10-2005 1457 (Sferix)
8442 M89 v T3AP T3AP T3AP de QF3k QF3K QF3K CW 18-10-2005 1950 (FN)
8454 M13 261 297/21 CW 2-10-2005 1900 (FN)
8454 M13 261 297/21 CW 2-10-2005 2000 (FN)
8455 M13 261 297/21 CW 16-10-2005 1900 (FN)
8455 M13 261 297/21 CW 16-10-2005 2000 (FN)
8464.0 E03 13876//ARC190//LI Sound USB 19-10-2005 Wed 1900 (GS)
8494.7 MX SLHFB "D" CW 6-10-2005 Thu 0230 (RAC)

8494.7 MX SLHFB CW 12-10-2005 Wed 0200 (RAC)
8494.7 MX Cluster beacon "D" CW 12-10-2005 Wed 1448 (AB)
8494.7 MX SLHFB "D" Odessa USB 16-10-2005 Sun 0215 (RAC)
8494.7 MX SLHFB "D" Odessa CW 21-10-2005 Fri 1515 (RAC)
8495 MX Cluster beacon "C" CW 12-10-2005 Wed 1448 (AB)
8495.0 MX repeat CW 11-10-2005 Tue 2217 (TI)
8495.1 MX SLHFB "A" cycle and rate different from other
beacons in the cluster. Recordi CW 12-10-2005 Wed 0225
8495.1 MX Cluster beacon "A" CW 12-10-2005 Wed 1448 (AB)
8495.2 MX SLHFB "F",Vladivostok USB 16-10-2005 Sun 1430 (RAC)
8495.3 MX SLHFB "K", Petropavlovsk Kamchatskiy USB 16-10-2005
Sun 1442 (RAC)
8495.4 MX Cluster beacon "M" CW 13-10-2005 0955 (MDM)
8497 M13 501 257/21 CW 9-10-2005 2115 (FN)
8497 M13 501 257/21 CW 10-10-2005 2115 (FN)
8497.0 M13 501 (R5) BT 257 2. (QRM blocks here) CW 9-10-2005 Sun
2115 (MS)
8497.0 M13 501 (R5) BT 257 21 BT CW 10-10-2005 Mon 2115 (MS)
8544.0 E11 182/00 AM 11-10-2005 Tue 0830 (HFD)
8588.0 XSL Idling?? USB 8-10-2005 Sat 1545 (RAC)
8588.0 XSL Japanese PSK modem USB 10-10-2005 Mon 1522 (RAC)
8703.5 XSL Japanese PSK modem USB 10-10-2005 Mon 1522 (RAC)
8703.5 XSL Slot Machine USB 22-10-2005 Sat 1525 (RAC)
8759 E11 312/00 AM 25-10-2005 1030 (MUK)
8759.0 E11 312/64=04435 AM 11-10-2005 Tue 1030 (HFD)
8759.0 E11 312/64=04435 AM 14-10-2005 Fri 1030 (HFD)
8760.0 M03 976/00 no E11 with 508/00 CW 13-10-2005 Thu 1000 (HFD)
8800 E11 183/00 AM 18-10-2005 1300 (MUK)
8800.0 E11 183/00 AM 19-10-2005 Wed 1300 (HFD)
8844 M13 746 258/22 CW 3-10-2005 2120 (FN)
8844.0 M13 746 (R5) BT 258 2. BT (Very weak, missed GC) CW
18-10-2005 Tue 2120 (MS)
8858.0 XSL Idling?? USB 8-10-2005 Sat 1545 (RAC)
9062.0 M08a In Progress//S800M//Brooklyn CW 21-10-2005 Fri 0505
9063.0 V02a A80892 04092 79423 (YL/SS) AM 26-10-2005 Wed 0700 (MS)
9063.0 V02a A80892 04093 79423. Variable QRM. Same msg. as
060008081 ? 3x final. AM 26-10-2005 Wed 0700 (ALB)
9063.0 V02a A80894 04094 79425 (YL/SS) AM 28-10-2005 Fri 0700 (MS)
9063.0 V02a A80894 31393 79425. Weak and under heavy QRM.
Unheard at check at 0735. AM 28-10-2005 Fri 0700 (ALB)
9110 M51 in progress CW 3-10-2005 1545 (FN)
9110 M51 in progress CW 17-10-2005 1515 (FN)
9112.0 M08a ID 60622 61613 03063 CW 1-10-2005 Sat 0700 (MS)
9130.0 E10 EZI2 USB 3-10-2005 Mon 2130 (BS4)
9130.0 E10 EZI 15 QCHBU USB 3-10-2005 Mon 2200 (BS4)
9130.0 E10 EZI2 USB 8-10-2005 Sat 1900 (JAQ)
9130.0 E10 EZI2//11565 USB 9-10-2005 Sun 2000 (BS4)
9130.0 E10 EZI2 USB 14-10-2005 Fri 2130 (BS4)

9130.0 E10 EZI2//6840 USB 15-10-2005 Sat 0330 (BS4)
 9130.0 E10 EZI2//6840 USB 19-10-2005 Wed 0100 (BS4)
 9130.0 E10 EZI in tfc USB 21-10-2005 Fri 0300 (BS4)
 9130.0 E10 EZI2//6840 USB 22-10-2005 Sat 0330 (BS4)
 9130.0 E10 EZI 164 BOVMQ USB 23-10-2005 Sun 0300 (BS4)
 9130.0 E10 EZI//6840 USB 24-10-2005 Mon 2200 (BS4)
 9130.0 E10 EZI 87 PLNFH, ?? ?????//6840 USB 26-10-2005 Wed 2030
 (BS4)
 9130.0 E10 EZI//6840 USB 27-10-2005 Thu 0230 (BS4)
 9130.0 E10 AM 27-10-2005 Thu 1440 (GGA)
 9130.0 E11 187/00 Very strong on the Sweden based internet tuner.
 USB 28-10-2005 Fri 1200 (Red)
 9145.0 S06 831:0 AM 24-10-2005 Mon 1200 (HFD)
 9148.0 XP msg AM 21-10-2005 Fri 0600 (HFD)
 9152.0 M08a ID 11273 71732 58333 CW 1-10-2005 Sat 1200 (MS)
 9152.0 M08a (In progress) ID ----- 09381 78371 CW 22-10-2005 Sat
 1200 (MS)
 9152.0 M08a ID 52281 09383 78377 CW 29-10-2005 Sat 1200 (MS)
 9153.0 M08a ID 50981 35721 75563 CW 3-10-2005 Mon 1000 (MS)
 9153.0 V02a A17183 25452 72853 (YL/SS - Repeat of 0600z on 8097m)
 AM 1-10-2005 Sat 0700 (MS)
 9153.0 V02a A----- 25453 48941 (YL/SS)(In progress) AM 8-10-2005
 Sat 0700 (MS)
 9153.0 V02a AM 8-10-2005 Sat 0720 (AU)
 9153.0 V02a Morse started at top of hour (M8a?). Ended at 0702
 straight into voice I.P. A AM 20-10-2005 Thu 0700
 9153.0 V02a In Progress//S800M//Brooklyn USB 21-10-2005 Fri 0505
 9153.0 V02a A80891 57671 04092 (YL/SS) AM 22-10-2005 Sat 0700 (MS)
 9153.0 V02a A99465 ----- 15---. Very weak and under heavy QRM.
 Only 2x final. AM 28-10-2005 Fri 0500 (ALB)
 9166.0 M10 555:557=54/19=65118,134=94/26=78401, CW 10-10-2005 Mon
 1140 (HFD)
 9166.0 M10 , //5917 CW 12-10-2005 Wed 1700 (HFD)
 9202.0 E10 YHF1 USB 9-10-2005 Sun 2000 (BS4)
 9238.0 M08a ID 43293 75562 58344 (Repeat of 1000z on 8136m) CW
 2-10-2005 Sun 1100 (MS)
 9238.0 M08a (Broadcast is all garbled, unable to copy. Sounds
 like xmtr problems) CW 3-10-2005 Mon 0900 (MS)
 9238.0 M08a ID 64222 58441 88373 CW 22-10-2005 Sat 1000 (MS)
 9238.0 M08a ID 79872 47131 78372 CW 23-10-2005 Sun 1100 (MS)
 9251.0 E03 09657//ARC190//Gander, Canada USB 6-10-2005 Thu 1900
 (GS)
 9251.0 E03 49794//ARC190//St Pierre, France USB 6-10-2005 Thu
 2000 (GS)
 9251.0 E03 62594//ARC190//Halifax, Nova Scotia USB 6-10-2005 Thu
 2100 (GS)
 9251.0 E03 45538//ARC190//Marthas Vineyard USB 6-10-2005 Thu 2200
 (GS)

9251.0 E03 USB 16-10-2005 Sun 1820 (RAC)
 9251.0 E03 46471//ARC190//New Haven, CT USB 19-10-2005 Wed 1800 (GS)
 9255.0 S06 471:0 AM 19-10-2005 Wed 0830 (HFD)
 9323.0 M08a ID ----- 82374 90591 (Late start for sked) CW
 4-10-2005 Tue 1000 (MS)
 9323.0 M08a ID ----- 95283 41745 (Late start) CW 29-10-2005 Sat 1000 (MS)
 9323.0 M08a ID 63236 41206 26916 (Repeat of 0800z on 10236m) CW
 30-10-2005 Sun 0900 (MS)
 9331 V02a Weird preamble. Restarted a few times AM 10-10-2005 0610 (Vambo)
 9331.0 M08a (In progress - M8a broadcast under AM carrier. M8a stopped at 0706z and AM carr AM 3-10-2005 Mon 0704
 9331.0 M08a ID 92691 00663 70403 CW 3-10-2005 Mon 1200 (MS)
 9342 M13 517 258/20 CW 3-10-2005 1900 (FN)
 9342 M13 261 297/21 CW 3-10-2005 1900 (FN)
 9342 M13 517 258/20 CW 3-10-2005 2000 (FN)
 9342 M13 261 297/21 CW 3-10-2005 2000 (FN)
 9342 M13 517 258/20 CW 4-10-2005 1900 (FN)
 9342 M13 517 258/20 CW 4-10-2005 2000 (FN)
 9342 M13 517 258/20 CW 17-10-2005 1900 (FN)
 9342 M13 517 258/20 CW 17-10-2005 2000 (FN)
 9342 M13 517 258/20 CW 18-10-2005 1900 (FN)
 9342 M13 517 258/20 CW 18-10-2005 2000 (FN)
 9342.0 M13 517 (R5) BT 258 20 BT CW 3-10-2005 Mon 2000 (MS)
 9354.0 V02a (First heard M8a in traffic, it stopped, and then a V2a began already in traffic AM 9-10-2005 Sun 0800
 9354.0 V02a Weak and under heavy QRM. Uncopiable. AM 30-10-2005 Sun 0800 (ALB)
 9423 E07 441 1 170 106 and 176 106 AM 26-10-2005 1720 (MUK)
 9450.0 E25 222 call then 2172 2890 6110 7641 4267 8687 6430 5604
 6110 plus repeat AM 5-10-2005 Wed 1348 (MUK)
 9480.0 S06 328 AM 12-10-2005 Wed 0840 (HFD)
 9480.0 S06 328:0 AM 19-10-2005 Wed 0840 (HFD)
 9610 E11 186/00 AM 26-10-2005 1100 (MUK)
 9923.0 X06 Fair signal (S6) - nothing heard after its stop. AM 14-10-2005 Fri 1500 (JS3)
 9943 M13 823 253/22 CW 5-10-2005 0600 (FN)
 9943 M13 823 253/22 CW 19-10-2005 0600 (FN)
 10125.0 E11 187/00 AM 14-10-2005 Fri 1200 (HFD)
 10126.0 M08a ID 50981 35721 75563 (Repeat of 1000z on 9153m) CW
 3-10-2005 Mon 1100 (MS)
 10126.0 M08a (In progress) ID ----- 96903 CW 22-10-2005 Sat
 10126.0 M08a "Cut " numbers. In prog Extremely strong signal at my QTH, also quite strong on CW 28-10-2005 Fri 1117
 10126.0 M08a "Cut " numbers. In prog Extremely strong signal at my QTH, also quite strong on CW 28-10-2005 Fri 1117

10126.0 M08a ID 63235 41205 26915 CW 29-10-2005 Sat 0900 (MS)
10154 S06c 11203 AM 4-10-2005 1137 (IB)
10236.0 M08a ID 63236 41206 26916 CW 30-10-2005 Sun 0800 (MS)
10270 M42 Dep. of State Comms Moscow. 5LG offline crypto to
"UAN" on link 00102 Baudot 50/500 23-10-2005 1120
10283 M13 474 253/22 CW 5-10-2005 0630 (FN)
10283 M13 474 253/22 CW 6-10-2005 0630 (FN)
10346.0 M08a ID 08573 82374 90591 (Repeat of 1000z on 9323m) CW
4-10-2005 Tue 1100 (MS)
10346.0 M08a ID 32453 95283 41745 (Repeat of 1000z on 9323m) CW
29-10-2005 Sat 1100 (MS)
10446.0 M08a ID ----- 15992 52212 (Repeat of 0712z on 8136m) CW
3-10-2005 Mon 0800 (MS)
10446.0 M08a ID 31791 28921 86471 CW 31-10-2005 Mon 0800 (MS)
10446.0 V02a Very weak. Unable to copy under QRM. Most likely
V2a. Rushed numbers... uno. AM 19-10-2005 Wed 0300
10788.0 XP msg AM 21-10-2005 Fri 0620 (HFD)
10858.0 M08a ID 33644 00662 70402 CW 1-10-2005 Sat 1200 (MS)
10858.0 M08a ID ----- 00664 70404 (Late start for sked) CW
4-10-2005 Tue 1200 (MS)
10858.0 M08a ID 15772 08303 80243 CW 22-10-2005 Sat 1200 (MS)
10858.0 M08a ID 15776 15411 97301 CW 29-10-2005 Sat 1200 (MS)
10871.7 MX Cluster beacon "D" CW 12-10-2005 Wed 1448 (AB)
10871.7 MX Cluster beacon "D" CW 12-10-2005 1830 (KB)
10871.7 MX SLHFB "D" Odessa CW 21-10-2005 Fri 1500 (RAC)
10871.9 MX SLHFB "S" CW 6-10-2005 Thu 0210 (RAC)
10871.9 MX Arkhangelsk "S" SLHFB CW 10-10-2005 Mon 1710 (RAC)
10871.9 MX Cluster beacon "S" CW 12-10-2005 Wed 1711 (AB)
10871.9 MX Cluster beacon "S" CW 12-10-2005 1830 (KB)
10871.9 MX SLHFB "S" Arkangelsk USB 16-10-2005 Sun 0335 (RAC)
10871.9 MX SLHFB "S" Arkangelsk CW 21-10-2005 Fri 1500 (RAC)
10872 MX Cluster beacon "C" CW 12-10-2005 Wed 1448 (AB)
10872.0 MX Moscow "C" SLHFB CW 10-10-2005 Mon 1710 (RAC)
10872.0 MX SLHFB "C" Moscow CW 21-10-2005 Fri 1500 (RAC)
10872.1 MX Cluster beacon "A" CW 12-10-2005 Wed 1448 (AB)
10872.1 MX Cluster beacon "A" CW 12-10-2005 1830 (KB)
10872.1 MX SLHFB "A" Keying speed changed to match other
beacons in the cluster. USB 16-10-2005 Sun 0225 (RAC)
10872.2 MX "F", Vladivostok CW 10-10-2005 Mon 1745 (RAC)
10872.2 MX Cluster beacon "F" CW 13-10-2005 0955 (MDM)
10872.4 MX Cluster beacon "M" CW 13-10-2005 0955 (MDM)
10878 M13 823 253/22 CW 5-10-2005 1230 (FN)
10878 M13 823 253/22 CW 19-10-2005 1230 (FN)
11040.0 S06 328-416/9=69#5 AM 12-10-2005 Wed 0850 (HFD)
11130.0 S06 724:0 AM 22-10-2005 Sat 1700 (HFD)
11424 M13 714 QRM CW 13-10-2005 2000 (FN)
11424.0 M13 714 (R5) BT 253 21 BT CW 27-10-2005 Thu 2000 (MS)
11424.0 M13 714 (R5) BT 253 21 BT (Very weak signal today.) CW

28-10-2005 Fri 2000 (MS)
 11432.0 M08a ID 93583 00231 34911 (Repeat of 0700z on 8186m) CW
 22-10-2005 Sat 0800 (MS)
 11454 E07 441 1 170 106 and 176 106 AM 26-10-2005 1700 (MUK)
 11454.0 E07 441 441 441 1 for 15?/143 AM 2-10-2005 Sun 1700 (MUK)
 11454.0 E07 ip AM 2-10-2005 Sun 1705 (HFD)
 11454.0 E07 441 441 441 1 615/143 6930 67179 45710 AM 5-10-2005
 Wed 1700 (MUK)
 11454.0 E07 441 AM 12-10-2005 Wed 1700 (HFD)
 11524 M13 253 256 QRM CW 6-10-2005 2000 (FN)
 11524 M13 253 256/23 CW 7-10-2005 2000 (FN)
 11524.0 M13 253 (R5) BT 256 23 BT CW 7-10-2005 Fri 2000 (MS)
 11524.0 M13 253 (R5) BT 256 23 BT CW 20-10-2005 Thu 2000 (MS)
 11524.0 M13 253 (R5) BT 256 23 BT CW 21-10-2005 Fri 2000 (MS)
 11544.7 E03 USB 23-10-2005 Sun 0017 (CJC)
 11545.0 E03 The Poacher with 07213 USB 5-10-2005 Wed 1500 (MUK)
 11545.0 E03 09657//ARC190//Gander, Canada USB 6-10-2005 Thu 1900
 (GS)
 11545.0 E03 49794//ARC190//St Pierre, France USB 6-10-2005 Thu
 2000 (GS)
 11545.0 E03 USB 8-10-2005 Sat 1825 (RAC)
 11545.0 E03 // 15682 13375 USB 10-10-2005 Mon 1505 (RAC)
 11545.0 E03 "62594" USB 10-10-2005 Mon 1700 (RAC)
 11545.0 E03 46471//ARC190//New Haven, CT USB 19-10-2005 Wed 1800
 (GS)
 11545.0 E03 75836 USB 22-10-2005 Sat 1605 (RAC)
 11565.0 E10 EZI2 USB 1-10-2005 Sat 1930 (BS4)
 11565.0 E10 EZI2 USB 2-10-2005 Sun 1830 (BS4)
 11565.0 E10 EZI2 USB 9-10-2005 Sun 1930 (BS4)
 11565.0 E10 EZI2//9130 USB 9-10-2005 Sun 2000 (BS4)
 11565.0 E10 EZI2 USB 17-10-2005 Mon 1930 (BS4)
 11565.0 E10 Weak but readable AM 22-10-2005 Sat 1615 (RAC)
 11565.0 E10 EZI 53 BBJYR USB 26-10-2005 Wed 2100 (BS4)
 11565.0 M08a (In progress - no calls) CW 8-10-2005 Sat 0400 (MS)
 11565.0 V02a AM 23-10-2005 Sun 0013 (CJC)
 12093.0 M08a ID 33644 00662 70402 (Repeat of 1200z on 10858m) CW
 1-10-2005 Sat 1300 (MS)
 12093.0 M08a ID ----- 00664 70404 (Late start for sked. Carrier up
 at 1300z but broadcast st CW 4-10-2005 Tue 1300 (MS)
 12093.0 M08a ID 05573 70194 55194 CW 8-10-2005 Sat 1300 (MS)
 12093.0 M08a ID 15772 08303 80243 (Repeat of 1200z on 10858m) CW
 22-10-2005 Sat 1300 (MS)
 12093.0 M08a ID 15776 15411 97301(Repeat of 1200z on 10858m) CW
 29-10-2005 Sat 1300 (MS)
 12110.0 X06 6-note rising X6, a short break at 1033, then 6 1/2
 further rounds of X6 again, USB 27-10-2005 Thu 1030
 12110.0 X06 6-note rising X6 again (weaker), nothing further
 heard. AM 31-10-2005 Mon 1048 (JS3)

12210.0 E06 457 457 457 000000 USB 5-10-2005 Wed 1405 (MUK)
12226.0 M10 555:396-72/38=39114,668-16/37=53127, CW 12-10-2005 Wed
1200 (HFD)
12590 E04 Cherry Ripe USB 11-10-2005 1300 (TI)
12590 E04 Cherry Ripe USB 12-10-2005 1300 (TI)
12590 E04 Cherry Ripe. In progress USB 12-10-2005 Wed 1313 (TI)
12590 E04 Cherry Ripe. In progress USB 12-10-2005 Wed 1318 (AB)
12590 E04 Cherry Ripe USB 13-10-2005 1300 (TI)
12590 E04 Cherry Ripe USB 14-10-2005 1300 (TI)
12590 E04 Cherry Ripe. Very weak USB 27-10-2005 Thu 1300 (AB)
12590.0 E03a USB 11-10-2005 Tue 1320 (PMJ)
12590.0 E03a ID:70807 USB 13-10-2005 Thu 1300 (TI)
12603.0 E03 USB 16-10-2005 Sun 1820 (RAC)
12603.0 E03 75836 USB 18-10-2005 Tue 2100 (DM)
12603.0 E03 In Progress//ARC190//W106 USB 19-10-2005 Wed 1700 (GS)
12603.0 E03 75836 USB 22-10-2005 Sat 1603 (RAC)
13374.8 E03 barely audible, but did hear the "pop goes the weasel"
tune USB 22-10-2005 Sat 0017 (CJC)
13375.0 E03 USB 8-10-2005 Sat 1820 (RAC)
13375.0 E03 //15682 11545 USB 10-10-2005 Mon 1505 (RAC)
13375.0 E03 75836 USB 22-10-2005 Sat 1604 (RAC)
13515.0 S06 516:0 AM 28-10-2005 Fri 0940 (HFD)
13527.7 MX Cluster beacon "D" CW 12-10-2005 Wed 1711 (AB)
13527.7 MX Cluster beacon "D" CW 15-10-2005 Sat 0956 (AB)
13527.9 MX SLHFB "S" CW 6-10-2005 Thu 0230 (RAC)
13527.9 MX Arkhangelsk "S" SLHFB CW 10-10-2005 Mon 1710 (RAC)
13527.9 MX Cluster beacon "S" CW 12-10-2005 Wed 1711 (AB)
13527.9 MX Cluster beacon "S" CW 15-10-2005 Sat 0956 (AB)
13527.9 MX SLHFB "S" Arkhangelsk USB 16-10-2005 Sun 0330 (RAC)
13528 MX Cluster beacon "C" CW 9-10-2005 1443 (DW)
13528 MX Cluster beacon "C" CW 12-10-2005 Wed 1711 (AB)
13528 MX Cluster beacon "C" CW 15-10-2005 Sat 0956 (AB)
13528.0 MX Moscow "C" SLHFB CW 10-10-2005 Mon 1710 (RAC)
13528.0 MX SLHFB "C" Moscow CW 21-10-2005 Fri 1517 (RAC)
13528.1 MX SLHFB "A" Keying speed changed to match other
beacons in the cluster. USB 16-10-2005 Sun 0330 (RAC)
13528.2 MX Cluster beacon "F" CW 15-10-2005 Sat 0956 (AB)
13530.0 S06 724:0 AM 8-10-2005 Sat 1600 (HFD)
13533.0 E10 EZI group 48 msg + repeat very clear excellent signal
USB 1-10-2005 Sat 1300 (SBA)
13533.0 E10 EZI group 48 msg + repeat very clear excellent signal
USB 2-10-2005 Sun 1300 (SBA)
13533.0 E10 EZI group 48 msg + repeat very clear excellent signal
USB 3-10-2005 Mon 1300 (SBA)
13533.0 E10 EZI group 48 msg + repeat very clear excellent signal
USB 4-10-2005 Tue 1300 (SBA)
13533.0 E10 EZI group 48 msg + repeat very clear excellent signal
USB 5-10-2005 Wed 1300 (SBA)

13533.0 E10 EZI2 (unfortunately too weak to record) AM 13-10-2005
Thu 1300 (JS3)
13533.0 E10 Weak but readable AM 22-10-2005 Sat 1615 (RAC)
14487.0 E03 45538//ARC190//Sofia, Bulgaria USB 1-10-2005 Sat 1200
14487.0 E03 11364//ARC190//Budapest, Hungary USB 1-10-2005 Sat
1300 (GS)
14487.0 E03 In Progress//ARC190//W106 USB 19-10-2005 Wed 1700 (GS)
14521.0 V07 ip AM 4-10-2005 Tue 0605 (HFD)
14521.0 V07 584:0 AM 13-10-2005 Thu 0600 (HFD)
14565.0 M10 555:518-69/21=37606,353-80/28=0#### CW 20-10-2005 Thu
1530 (HFD)
14730 E04 Cherry Ripe USB 11-10-2005 1100 (TI)
14730 E04 Cherry Ripe USB 11-10-2005 1300 (TI)
14730 E04 Cherry Ripe USB 12-10-2005 0000 (TI)
14730 E04 Cherry Ripe USB 12-10-2005 1100 (TI)
14730 E04 Cherry Ripe USB 12-10-2005 1300 (TI)
14730 E04 Cherry Ripe. In progress USB 12-10-2005 Wed 1313 (TI)
14730 E04 Cherry Ripe. In progress USB 12-10-2005 Wed 1318 (AB)
14730 E04 Cherry Ripe USB 13-10-2005 0000 (TI)
14730 E04 Cherry Ripe USB 13-10-2005 0000 (TI)
14730 E04 Cherry Ripe USB 13-10-2005 1100 (TI)
14730 E04 Cherry Ripe USB 14-10-2005 1300 (TI)
14730 E04 Cherry Ripe. Id 70807 USB 26-10-2005 1100 (MUK)
14730.0 E03a "Cherry Ripe" with "70807" - weak, but audible in USB.
USB 13-10-2005 Thu 1100 (JS3)
15682.0 E03 11364//ARC190//Budapest, Hungary USB 1-10-2005 Sat
1300 (GS)
15682.0 E03 //13375 11545 USB 10-10-2005 Mon 1505 (RAC)
15682.0 E03 45538 USB 13-10-2005 Thu 1205 (JEM)
15682.0 E03 USB 23-10-2005 Sun 0014 (CJC)
15821.0 V07 ip AM 4-10-2005 Tue 0625 (HFD)
15980.0 E10 EZI2 USB 1-10-2005 Sat 1500 (BS4)
16025.0 X06 Mazielka selcall system USB 24-10-2005 Mon 1501 (BM)
16084.0 E03 11364//ARC190//Budapest, Hungary USB 1-10-2005 Sat
1300 (GS)
16084.0 E03 In Progress//ARC190//Shannon, Ireland USB 4-10-2005
Tue 1200 (GS)
16084.0 E03 USB 8-10-2005 Sat 1830 (RAC)
16331.7 MX Cluster beacon "D" CW 12-10-2005 Wed 1711 (AB)
16331.7 MX Cluster beacon "D" CW 15-10-2005 Sat 0948 (AB)
16331.7 MX Cluster beacon "D" CW 15-10-2005 1630 (RP3)
16331.9 MX Cluster beacon "S" CW 12-10-2005 Wed 1448 (AB)
16331.9 MX Cluster beacon "S" CW 15-10-2005 Sat 0948 (AB)
16332 MX Cluster beacon "C" CW 12-10-2005 Wed 1448 (AB)
16332 MX Cluster beacon "C" CW 15-10-2005 Sat 0948 (AB)
16332.1 MX Cluster beacon "A" CW 15-10-2005 Sat 0948 (AB)
16332.1 MX Cluster beacon "A" CW 15-10-2005 1630 (RP3)
16332.4 MX Cluster beacon "M" CW 15-10-2005 Sat 0948 (AB)

16475.0	E03	In Progress//ARC190//W106 USB 19-10-2005 Wed 1700 (GS)
17512.0	X06	(tnx to the Kopf) AM 19-10-2005 Wed 1410 (HFD)
18349.0	X06	6-note rising again! Signal very strong - blank carrier from 1117 till 1146! AM 31-10-2005 Mon 1106
18864	E04	Cherry Ripe USB 11-10-2005 2200 (TI)
18864	E04	Cherry Ripe USB 11-10-2005 2300 (TI)
18864	E04	Cherry Ripe USB 12-10-2005 1200 (TI)
18864	E04	Cherry Ripe USB 12-10-2005 2200 (TI)
18864	E04	Cherry Ripe USB 12-10-2005 2200 (TI)
18864	E04	Cherry Ripe USB 12-10-2005 2300 (TI)
18864	E04	Cherry Ripe USB 12-10-2005 2300 (TI)
18864	E04	Cherry Ripe USB 13-10-2005 1200 (TI)
18864	E04	Cherry Ripe in progress USB 18-10-2005 1115 (MUK)
18864	E04	Cherry Ripe. Id 10685 USB 18-10-2005 1200 (MUK)
18865	E04	Cherry Ripe USB 11-10-2005 1100 (TI)
18865	E04	Cherry Ripe USB 12-10-2005 0000 (TI)
18865	E04	Cherry Ripe USB 12-10-2005 0100 (TI)
18865	E04	Cherry Ripe USB 12-10-2005 1100 (TI)
18865	E04	Cherry Ripe USB 13-10-2005 0000 (TI)
18865	E04	Cherry Ripe USB 13-10-2005 0000 (TI)
18865	E04	Cherry Ripe USB 13-10-2005 0100 (TI)
18865	E04	Cherry Ripe USB 13-10-2005 0100 (TI)
18865	E04	Cherry Ripe USB 13-10-2005 1100 (TI)
18865.0	E03a	cherry ripe with call of 70807 USB 5-10-2005 Wed 1105
19510.0	S06	ip (tnx to the Kopf) AM 19-10-2005 Wed 1420 (HFD)
20047.9	MX	Cluster beacon "S" CW 12-10-2005 Wed 1448 (AB)
20047.9	MX	Cluster beacon "S" CW 28-10-2005 0913 (AB)
20048	MX	Cluster beacon "C" CW 27-10-2005 Fri 1154 (DW)
20048	MX	Cluster beacon "C" CW 28-10-2005 Fri 0832 (AB)
20048.1	MX	Cluster beacon "A" CW 27-10-2005 Fri 1155 (DW)
20474	E04	Cherry Ripe USB 11-10-2005 1000 (TI)
20474	E04	Cherry Ripe USB 12-10-2005 1000 (TI)
20474	E04	Cherry Ripe USB 13-10-2005 1000 (TI)
20474	E04	Cherry Ripe USB 14-10-2005 1000 (TI)
21865	E04	Cherry Ripe USB 11-10-2005 1300 (TI)
21865	E04	Cherry Ripe USB 12-10-2005 0100 (TI)
21865	E04	Cherry Ripe USB 12-10-2005 1300 (TI)
21865	E04	Cherry Ripe. In progress USB 12-10-2005 Wed 1313 (TI)
21865	E04	Cherry Ripe. In progress USB 12-10-2005 Wed 1318 (AB)
21865	E04	Cherry Ripe USB 13-10-2005 0100 (TI)
21865	E04	Cherry Ripe USB 13-10-2005 0100 (TI)
21865	E04	Cherry Ripe USB 13-10-2005 1300 (TI)
21865	E04	Cherry Ripe USB 14-10-2005 1300 (TI)
21865.0	E03a	"Cherry Ripe" again with "70807" - weak, but audible in USB. USB 13-10-2005 Thu 1300 (JS3)
21866	E04	Cherry Ripe USB 11-10-2005 2300 (TI)
21866	E04	Cherry Ripe USB 12-10-2005 2300 (TI)
21866	E04	Cherry Ripe USB 12-10-2005 2300 (TI)

23461	E04	Cherry Ripe USB 11-10-2005	1000 (TI)	
23461	E04	Cherry Ripe USB 12-10-2005	1000 (TI)	
23461	E04	Cherry Ripe USB 12-10-2005	1200 (TI)	
23461	E04	Cherry Ripe USB 13-10-2005	1000 (TI)	
23461	E04	Cherry Ripe USB 13-10-2005	1200 (TI)	
23461	E04	Cherry Ripe USB 14-10-2005	1000 (TI)	
23461	E04	Cherry Ripe. Id 01757 USB 24-10-2005		(MUK)
24644	E04	Cherry Ripe USB 11-10-2005	2200 (TI)	
24644	E04	Cherry Ripe USB 12-10-2005	2200 (TI)	
24644	E04	Cherry Ripe USB 12-10-2005	2200 (TI)	

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